

District I - (505) 393-6161  
1625 N. French Dr  
Hobbs, NM 88240  
District II - (505) 748-1283  
811 S. First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131  
2040 S. Pacheco  
Santa Fe, NM 87505

New Mexico

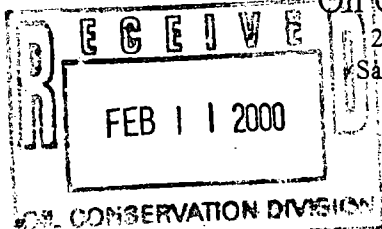
Energy Minerals and Natural Resources Department

Oil Conservation Division

2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

1626 Form C-142  
Date 06/99

SUBMIT ORIGINAL  
PLUS 2 COPIES  
TO THE SANTA FE  
OFFICE



APPLICATION FOR NEW WELL STATUS

I. Operator and Well

|  |               |                 |              |                      |                           |                        |                            |                    |  |
|--|---------------|-----------------|--------------|----------------------|---------------------------|------------------------|----------------------------|--------------------|--|
| Operator name & address<br>Richardson OPERating Company<br>1700 Lincoln Suite 1700<br>Denver, CO 80203 |               |                 |              |                      |                           | OGRID Number<br>019219 |                            |                    |  |
| Contact Party<br>Mary Ellen Condon   |               |                 |              |                      |                           | Phone<br>303-830-8000  |                            |                    |  |
| Property Name<br>WF State 16   |               |                 |              |                      | Well Number<br>#2         |                        | API Number<br>30-045-29950 |                    |  |
| UL<br>B  | Section<br>16 | Township<br>30N | Range<br>14W | Feet From The<br>900 | North/South Line<br>North | Feet From The<br>1745  | East/West Line<br>East     | County<br>San Juan |  |

II. Date/Time Information

|                      |                    |                            |  |
|----------------------|--------------------|----------------------------|--|
| Spud Date<br>9-17-99 | Spud Time<br>15:00 | Date Completed<br>12-20-99 | Pool<br>Basin Fruitland Coal/Harper Hill FR Sand |
|----------------------|--------------------|----------------------------|--|

- III. Attach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or PC Federal Form 3160-4 showing well was completed as a producer. Ext...
- IV. Attach a list of all working interest owners with their percentage interests.
- V. AFFIDAVIT:

State of Colorado )

ss.

County of Denver )

Mary Ellen

Condon, being first duly sworn, upon oath states:

1. I am the Operator, or authorized representative of the Operator, of the above-referenced well.
2. To the best of my knowledge, this application is complete and correct.

Signature Mary Ellen Condon Title Controller Date 2/10/00

SUBSCRIBED AND SWORN TO before me this 10th day of February, 2000

Thomas O'Shea  
Notary Public

My Commission expires: 8-24-02

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.

|                                   |                            |                        |
|-----------------------------------|----------------------------|------------------------|
| Signature<br><u>Mark E. Speer</u> | Title<br><u>P.E. Speer</u> | Date<br><u>2-18-00</u> |
|-----------------------------------|----------------------------|------------------------|

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: 2/18/00

NOTICE: The operator must notify all working interest owners of this New Well certification.

PVZV2010850470

Mark Ashley  
505 827-8183

State Lease - 5 copies  
Reg. Lease - 5 copies  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
311 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

# Energy, Minerals and Natural Resources

Revised March 25, 1999

## OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, NM 87505

|                           |                    |
|---------------------------|--------------------|
| WELL API NO.              | 30-045-29950       |
| 5. Indicate Type of Lease |                    |
| X STATE                   | FEE                |
| State Oil & Gas Lease No. | B-11242-47, V-4832 |

### WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|   |                                  |  |   |  |
|---|----------------------------------|--|---|--|
| 1a. Type of Well:<br><input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER   |                                  | 7. WF State 16   |   |  |
| b. Type of Completion:<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/> |                                  |  |   |  |
| 2. Name of Operator<br>Richardson Operating Company #019219   |                                  | 8. Well. No.<br>#2                                     |   |  |
| 3. Address of Operator<br>1700 Lincoln Street, Suite 1700, Denver, CO 80203   |                                  | 9. Pool name or Wildcat<br>Basin Fruitland Coal #71629 |   |  |
| 4. Well Location<br>Unit Letter <u>B</u> : <u>900</u> Feet From The <u>North</u> Line and <u>1745</u> Feet From The <u>East</u> Line<br>Section <u>16</u> Township <u>30N</u> Range <u>14W</u> NMPM San Juan County                               |                                  |  |   |  |
| 10. Date Spudded<br>9/17/99   | 11. Date T.D. Reached<br>9/23/99 | 12. Date Compl. (Ready to Prod.)<br>12/20/99           | 13. Elevations (DF & RKB, RT, GR, etc.)<br>5710' GR | 14. Elev. Casinghead<br>5710'          |
| 15. Total Depth<br>1420'  | 16. Plug Back T.D.<br>1375' KB   | 17. If Multiple Compl. How Many Zones?<br>2            | 18. Intervals Drilled by<br>Rotary Tools<br>X       | Cable Tools                            |
| 19. Producing Interval(s), of this completion - Top, Bottom, Name<br>1274' to 1282' Fruitland Coal  |                                  |  |   | 20. Was Directional Survey Made<br>yes |
| 21. Type Electric and Other Logs Run<br>Compensated Neutron Log   |                                  |  |   | 22. Was Well Cored<br>no               |

### CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD   | AMOUNT PULLED |
|-------------|-----------------|-----------|-----------|--------------------|---------------|
| 7"          | 20#             | 131'      | 8 - 3/4"  | 55 sx (65 cu.ft.)  | surface       |
| 4 - 1/2"    | 10.5#           | 1413'     | 6 - 1/4"  | 95 sx (206 cu.ft.) | surface       |
|             |                 |           |           | 75 sx (89 cu.ft.)  |               |
|             |                 |           |           |                    |               |
|             |                 |           |           |                    |               |

| LINER RECORD |     |        |              | TUBING RECORD |          |           |
|--------------|-----|--------|--------------|---------------|----------|-----------|
| SIZE         | TOP | BOTTOM | SACKS CEMENT | SCREEN        | SIZE     | DEPTH SET |
|              |     |        |              |               | 2 - 3/8" | 1274'     |
|              |     |        |              |               |          |           |
|              |     |        |              |               |          |           |

|   |  |
|---|--|
| 26. Perforation record (interval, size and number)<br>1274' - 1282' 32 holes 0.36"<br>4 spf | 27. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br>DEPTH INTERVAL<br>1274' - 1282'<br>AMOUNT AND KIND OF MATERIAL USED<br>45000# 20/40 Arizona<br>70% Nitrogen foam |
|---|--|

### PRODUCTION

|                         |                        |  |                        |                    |                                |   |
|-------------------------|------------------------|--|------------------------|--------------------|--------------------------------|---|
| Date First Production   |                        | Production Method (Flowing, gas lift, pumping—Size and type of pump) |                        |                    | Well Status (Prod. or Shut-in) |   |
| Date of Test<br>2/3/00  | Hours Tested<br>24     | Choke Size<br>3/8"   | Prod'n For Test Period | Oil - Bbl.<br>TSTM | Gas - MCF<br>360               | Water - Bbl.<br>Oil Gravity - API - (Corr.) |
| Flow Tubing Press.<br>0 | Casing Pressure<br>180 | Calculated 24-Hour Rate  | Oil - Bbl.             | Gas - MCF<br>TSTM  | Water - Bbl.<br>180            |   |

|  |                   |
|--|-------------------|
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.) | Test Witnessed By |
|--|-------------------|

|                      |
|----------------------|
| 30. List Attachments |
|----------------------|

|  |
|--|
| 31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief |
|--|

|                             |                                |                       |                 |
|-----------------------------|--------------------------------|-----------------------|-----------------|
| Signature<br>Cathleen Colby | Printed Name<br>Cathleen Colby | Title<br>Land Manager | Date<br>2/10/00 |
|-----------------------------|--------------------------------|-----------------------|-----------------|

## Northwestern New Mexico

## OIL OR GAS SANDS OR ZONES

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet  
 No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet

## LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To | Thickness<br>in Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

| From | To | Thickness<br>in Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

125 N. French Dr., Hobbs, NM 88240  
District II  
511 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

|                           |                    |
|---------------------------|--------------------|
| WELL API NO.              | 30-045-29950       |
| 5. Indicate Type of Lease | X STATE FEE        |
| State Oil & Gas Lease No. | B-11242-47, V-4832 |

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|  |                |
|--|----------------|
| 1a. Type of Well:<br><input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER  | 7. WF State 16 |
| b. Type of Completion:<br>NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER |                |

|   |   |
|---|---|
| 2. Name of Operator<br>Richardson Operating Company #019219                 | 8. Well No.<br>#2   |
| 3. Address of Operator<br>1700 Lincoln Street, Suite 1700, Denver, CO 80203 | 9. Pool name or Wildcat<br>Harper Hill FR Sand PC Ext. #71860 |

|   |
|---|
| 4. Well Location<br>Unit Letter B : 900 Feet From The North Line and 1745 Feet From The East Line<br>Section 16 Township 30N Range 14W NMPM San Juan County |
|---|

|                             |                                  |  |   |                               |
|-----------------------------|----------------------------------|--|---|-------------------------------|
| 10. Date Spudded<br>9/17/99 | 11. Date T.D. Reached<br>9/23/99 | 12. Date Compl. (Ready to Prod.)<br>12/20/99 | 13. Elevations (DF & RKB, RT, GR, etc.)<br>5710' GR       | 14. Elev. Casinghead<br>5710' |
| 15. Total Depth<br>1420'    | 16. Plug Back T.D.<br>1375' KB   | 17. If Multiple Compl. How Many Zones?<br>2  | 18. Intervals Drilled by<br>Rotary Tools X<br>Cable Tools |                               |

|  |  |
|--|--|
| 19. Producing Interval(s), of this completion - Top, Bottom, Name<br>1292' - 1300' Pictured Cliffs | 20. Was Directional Survey Made<br>yes |
| 21. Type Electric and Other Logs Run<br>Compensated Neutron Log                                    | 22. Was Well Cored<br>no               |

| 23. CASING RECORD (Report all strings set in well) |                |           |           |                    |               |
|--|----------------|-----------|-----------|--------------------|---------------|
| CASING SIZE  | WEIGHT, LB/FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD   | AMOUNT PULLED |
| 7"   | 20#            | 131'      | 8 - 3/4"  | 55 sx (65 cu.ft.)  | surface       |
| 4 - 1/2"   | 10.5#          | 1413'     | 6 - 1/4"  | 95 sx (206 cu.ft.) | surface       |
|  |                |           |           | 75 sx (89 cu.ft.)  |               |

| 24. LINER RECORD |     |        |              |        | 25. TUBING RECORD |           |            |
|------------------|-----|--------|--------------|--------|-------------------|-----------|------------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE              | DEPTH SET | PACKER SET |
|                  |     |        |              |        | 2 - 3/8"          | 1274'     |            |

|  |  |
|--|--|
| 26. Perforation record (interval, size and number)<br>1292' - 1300' 32 holes 0.36" 4 spf | 27. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.<br>DEPTH INTERVAL AMOUNT AND KIND OF MATERIAL USED<br>1292' - 1300' 29,018# 20/40 Arizona 70% Nitrogen foam |
|--|--|

| 28. PRODUCTION        |  |                                |
|-----------------------|--|--------------------------------|
| Date First Production | Production Method (Flowing, gas lift, pumping—Size and type of pump) | Well Status (Prod. or Shut-in) |

|                        |                        |                         |                        |                   |                     |                             |                 |
|------------------------|------------------------|-------------------------|------------------------|-------------------|---------------------|-----------------------------|-----------------|
| Date of Test<br>2/3/00 | Hours Tested<br>24     | Choke Size<br>3/8"      | Prod'n For Test Period | Oil - Bbl.        | Gas - MCF<br>TSTM   | Water - Bbl.<br>360         | Gas - Oil Ratio |
| Flow Tubing<br>0       | Casing Pressure<br>180 | Calculated 24-Hour Rate | Oil - Bbl.             | Gas - MCF<br>TSTM | Water - Bbl.<br>180 | Oil Gravity - API - (Corr.) |                 |

|  |                   |
|--|-------------------|
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>vented | Test Witnessed By |
|--|-------------------|

|                      |
|----------------------|
| 30. List Attachments |
|----------------------|

|  |                                   |                       |                 |
|--|-----------------------------------|-----------------------|-----------------|
| 31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief |                                   |                       |                 |
| Signature<br>Cathleen Colby  | Printed<br>Name<br>Cathleen Colby | Title<br>Land Manager | Date<br>2/10/00 |

| Southeastern New Mexico  |                        |
|--------------------------|------------------------|
| T. Anhy _____            | T. Canyon _____        |
| T. Salt _____            | T. Atoka _____         |
|                          | Strawn _____           |
| B. Salt _____            | T. Atoka _____         |
|                          |                        |
| T. Yates _____           | T. Miss _____          |
| T. 7 Rivers _____        | T. Devonian _____      |
| T. Queen _____           | T. Silurian _____      |
| T. _____                 | T. Montoya _____       |
| Grayburg _____           |                        |
| T. San Andres _____      | T. Simpson _____       |
| T. _____                 | T. McKee _____         |
| Glorieta _____           |                        |
| T. Paddock _____         | T. Ellenburger _____   |
| T. Blinbry _____         | T. Gr. _____           |
|                          | Wash _____             |
| T. Tubb _____            | T. Delaware Sand _____ |
| T. Drinkard _____        | T. Bone Springs _____  |
| T. Abo _____             | T. _____               |
| T. Wolfcamp _____        | T. _____               |
| T. Penn _____            | T. _____               |
|                          |                        |
| T. Cisco (Bough C) _____ | T. _____               |

|                         |                        |
|-------------------------|------------------------|
| Northwestern New Mexico |                        |
| T. Ojo Alamo _____      | T. Penn. "B" _____     |
| T. Kirtland- _____      | T. Penn. "C" _____     |
| Fruitland _____         |                        |
| T. Pictured _____       | T. Penn. "D" _____     |
| Cliffs _____ 1292'      |                        |
| T. Cliff House _____    | T. Leadville _____     |
| T. Menefee _____        | T. Madison _____       |
| T. Point Lookout _____  | T. Elbert _____        |
| T. Mancos _____         | T. McCracken _____     |
|                         |                        |
| T. Gallup _____         | T. Ignacio Otzte _____ |
| Base _____              | T. Granite _____       |
| Greenhorn _____         |                        |
| T. Dakota _____         | T. _____               |
| T. Morrison _____       | T. _____               |
|                         |                        |
| T. Todilto _____        | T. _____               |
| T. Entrada _____        | T. _____               |
| T. Wingate _____        | T. _____               |
| T. Chinle _____         | T. _____               |
| T. _____                | T. _____               |
| Permian _____           |                        |
| T. Penn _____           | T. _____               |
| "A" _____               |                        |

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet  
No. 2, from ..... to ..... feet  
No. 3, from ..... to ..... feet

| From | To | Thickness<br>in Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

| From | To | Thickness<br>in Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

Submit 3 Copies to Appropriate  
District Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
811 South First, Artesia, NM 87210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

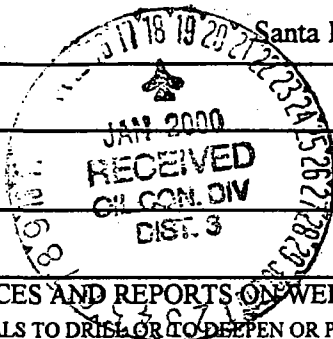
State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised March 25, 1999

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505



|  |  |
|--|--|
| WELL API NO.<br>30-045-29950   |  |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>  |  |
| 6. State Oil & Gas Lease No.<br>B-11242-47 & V-4832  |  |
| 7. Lease Name or Unit Agreement Name<br>WF State 16  |  |
| SUNDRY NOTICES AND REPORTS ON WELLS<br>(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:<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other  |  |
| 2. Name of Operator<br>Richardson Operating Company #019219  |  |
| 3. Address of Operator<br>1700 Lincoln Street, Suite 1700, Denver, CO 80203  |  |
| 4. Well Location<br>Unit Letter <u>B</u> : <u>900</u> feet from the <u>North</u> line and <u>1745</u> feet from the <u>East</u> line<br>Section <u>16</u> Township <u>30</u> Range <u>14W</u> NMPM San Juan County |  |
| 10. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>5710' GR   |  |

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

- ☐ PERFORM REMEDIAL WORK  
☐ TEMPORARILY ABANDON  
☐ PULL OR ALTER CASING  
☐ OTHER:  
☐ PLUG AND ABANDON  
☐ CHANGE PLANS  
☐ MULTIPLE COMPLETION

- ☐ REMEDIAL WORK  
☒ COMMENCE DRILLING OPNS.  
☒ CASING TEST AND CEMENT JOB  
☐ OTHER:  
☐ ALTERING CASING  
☐ PLUG AND ABANDONMENT

12. 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 recompilation.

9-17-99 Spud 8 3/4" surface hole.

9-18-99 Drill to 140'. Ran 3 jts 7" 20# ST&C casing and set at 131' GL. Cemented with 55 sx (65 cuft) of Class "B" with 4% CaCl<sub>2</sub>. Circulated 5 bbls of cement to surface.

9-23-99 Drill 6 1/4" hole to 1420' TD. Ran 33 jts 4 1/2" 10.5# K-55, ST&C white band casing to 1413' GL. Cemented with 95 sx (206 cuft) Class B with 2% sodium metasilicate and 75 sx (89 cuft) Class B. Circulated 11 bbls cement to surface. Plug down at 19:30 hrs. Set slips & nipple up wellhead. PBTD=1375' KB

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Cathleen Colby TITLE Land Manager DATE 01/13/00

Type or print name Cathleen Colby Telephone No. 303-830-8000

(This space for State use)

APPROVED BY ORIGINAL SIGNED BY CHARLIE T. PERREN

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of approval, if any:

DEPUTY OIL & GAS INSPECTOR, DIST. #3

JAN 18 2000



## **RICHARDSON OPERATING COMPANY**

---

1700 Lincoln, Suite 1700  
Denver, Colorado 80203 (303) 830-8000  
FAX (303) 830-8009

### **WF STATE 16-2**

|                          |  |             |
|--------------------------|--|-------------|
| <b>WORKING INTEREST:</b> | <b>Richardson Production Company</b>   | <b>100%</b> |
|                          | <b>1700 Lincoln Street, Suite 1700</b> |             |
|                          | <b>Denver, CO 80203</b>                |             |
|                          | <b>303-830-8000</b>                    |             |