

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-101

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV  
PO Box 2088, Santa Fe, NM 87504-2088

PO BOX 2088  
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUG BACK OR ADD A ZONE

|  |   |                                     |
|--|---|-------------------------------------|
| <sup>1</sup> Operator Name and Address<br>Richardson Operating Company<br>c/o Walsh Engineering and Production Corp.<br>7415 E. Main St., Farmington, NM 87402 |   | <sup>2</sup> OGRID Number<br>019219 |
| <sup>4</sup> Property Code<br>23932  | <sup>5</sup> Property Name<br>WF State 16 | <sup>3</sup> API Number<br>45-29950 |
|  |   | <sup>6</sup> Well No.<br>2          |

<sup>7</sup> Surface Location

|                    |               |                 |              |         |                      |                           |                       |                        |                    |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|-----------------------|------------------------|--------------------|
| UL or lot no.<br>B | Section<br>16 | Township<br>30N | Range<br>14W | Lot Idn | Feet from the<br>900 | North/South Line<br>North | Feet from the<br>1745 | East/West Line<br>East | County<br>San Juan |
|--------------------|---------------|-----------------|--------------|---------|----------------------|---------------------------|-----------------------|------------------------|--------------------|

<sup>8</sup> 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 |
| <sup>9</sup> Proposed Pool 1<br>Harper Hill Fruitland Sand - PC Extension |         |          |       |         | <sup>10</sup> Proposed Pool 2<br>Basin Fruitland Coal |                  |               |                |        |

|                                   |                                       |  |   |   |
|-----------------------------------|---------------------------------------|--|---|---|
| <sup>11</sup> Work Type Code<br>N | <sup>12</sup> Well Type Code<br>M     | <sup>13</sup> Cable/Rotary<br>R            | <sup>14</sup> Lease Type Code<br>S          | <sup>15</sup> Ground Level Elevation<br>5710' |
| <sup>16</sup> Multiple<br>Yes     | <sup>17</sup> Proposed Depth<br>1420' | <sup>18</sup> Formation<br>Pictured Cliffs | <sup>19</sup> Contractor<br>L&B Speed Drill | <sup>20</sup> Spud Date<br>8/15/99            |

<sup>21</sup> Proposed Casing and Cement Program

|           |             |                    |               |                 |               |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| Hole Size | Casing Size | Casing weight/feet | Setting Depth | Sacks of Cement | Estimated TOC |
| 8-3/4"    | 7"          | 20#                | 120'          | 36              | Surface       |
| 6-1/4"    | 4-1/2"      | 10.5#              | 1420'         | 95 + 50         | Surface       |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Richardson Operating proposes to drill a vertical well at the location described above and test the Pictured Cliffs and Fruitland Coal formations. A double ram type or annular type blowout preventer rated to 2000 psi will be installed on the surface casing. The BOP and surface casing will be tested to 600 psi. All subsequent operations will be conducted below the BOP.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Paul C. Thompson*

Printed name: Paul C. Thompson

Title: Agent

Date: 07/01/99  
Phone: (505) 327-4892

Approved by: *Ernie Buehl* 7-8-99

Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3

Approval Date: JUL 8 1999 Expiration Date: JUL 8 2000

Conditions of Approval  
Attached ☐

District I  
1625 N. French Dr., Hobbs, NM 88248  
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 & Natural Resources

Form C-102  
Revised March 17, 1994

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to Appropriate District Office  
State Lease - 4 Copies  
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |   |                    |                                   |
|----------------------------|---|--------------------|-----------------------------------|
| API Number<br>30-045-29950 |   | Pool Code<br>71629 | Pool Name<br>Basin Fruitland Coal |
| Property Code<br>23932     | Property Name<br>WF State                     |                    | Well Number<br>16-2               |
| OGRID No.<br>019219        | Operator Name<br>RICHARDSON OPERATING COMPANY |                    | Elevation<br>5710'                |

10 Surface Location

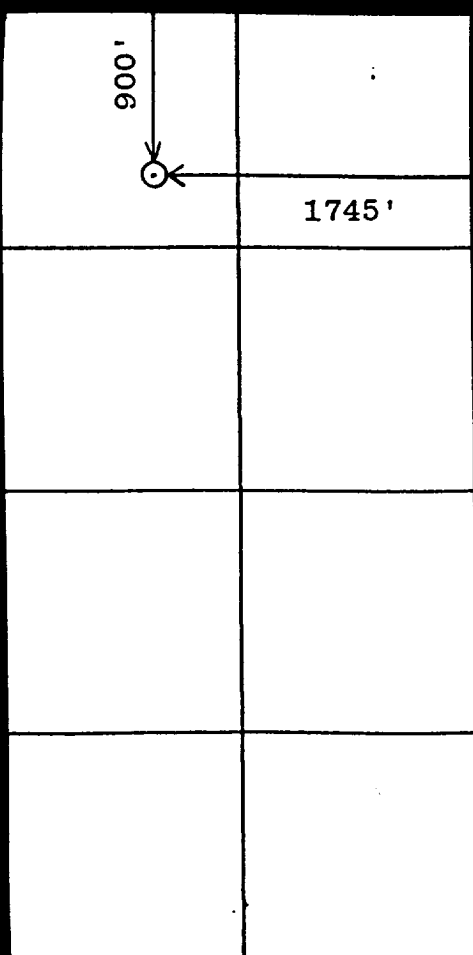
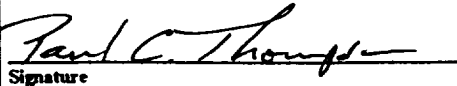
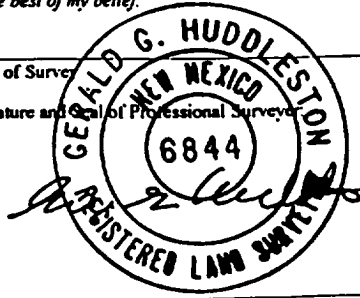
| U/L or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|----------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| B              | 16      | 30 N     | 14 W  |         | 900'          | North            | 1745'         | East           | San Juan |

11 Bottom Hole Location If Different From Surface

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

|                           |                         |                       |              |
|---------------------------|-------------------------|-----------------------|--------------|
| 12 Dedicated Acres<br>320 | 13 Joint or Infill<br>Y | 14 Consolidation Code | 15 Order No. |
|---------------------------|-------------------------|-----------------------|--------------|

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

|   |  |  |
|---|--|--|
| 16<br><br><b>RECEIVED</b><br>JUL - 6 1999<br><br>OIL CON. DIV.<br>DIST. 3 |  | 17 OPERATOR CERTIFICATION<br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief<br><br><br>Signature<br>Paul C. Thompson<br>Printed Name<br>Agent<br><br>Title<br>7-2-99<br>Date  |
|   |  | 18 SURVEYOR CERTIFICATION<br>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.<br><br><br>Date of Survey<br>Signature and Seal of Professional Surveyor<br><br>Certificate Number |
|   |  |  |

District I  
1625 N. French Dr., Hobbs, NM 88240  
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Revised March 17, 1994

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |   |                    |   |
|----------------------------|---|--------------------|---|
| API Number<br>30-015-29950 |   | Pool Code<br>78160 | Pool Name<br>Harper Hill Fruitland Sand-PC ext. |
| Property Code<br>23932     | Property Name<br>WF State                     |                    | Well Number<br>16-2                             |
| OGRID No.<br>019219        | Operator Name<br>RICHARDSON OPERATING COMPANY |                    | Elevation<br>5710'                              |

10 Surface Location

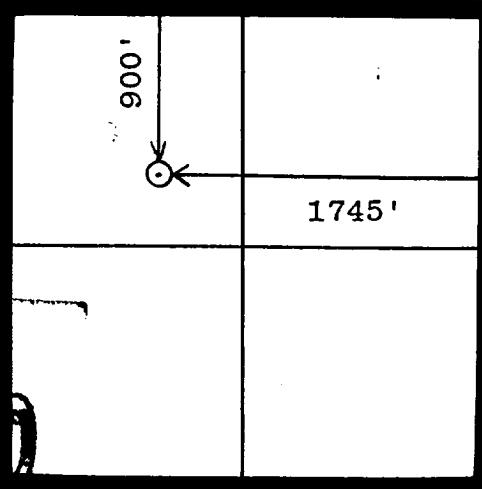
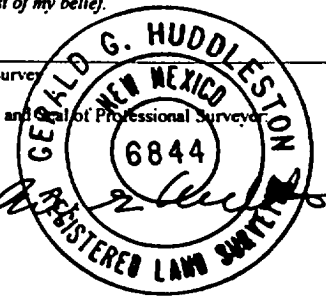
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| B             | 16      | 30 N     | 14 W  |         | 900'          | North            | 1745'         | East           | San Juan |

11 Bottom Hole Location If Different From Surface

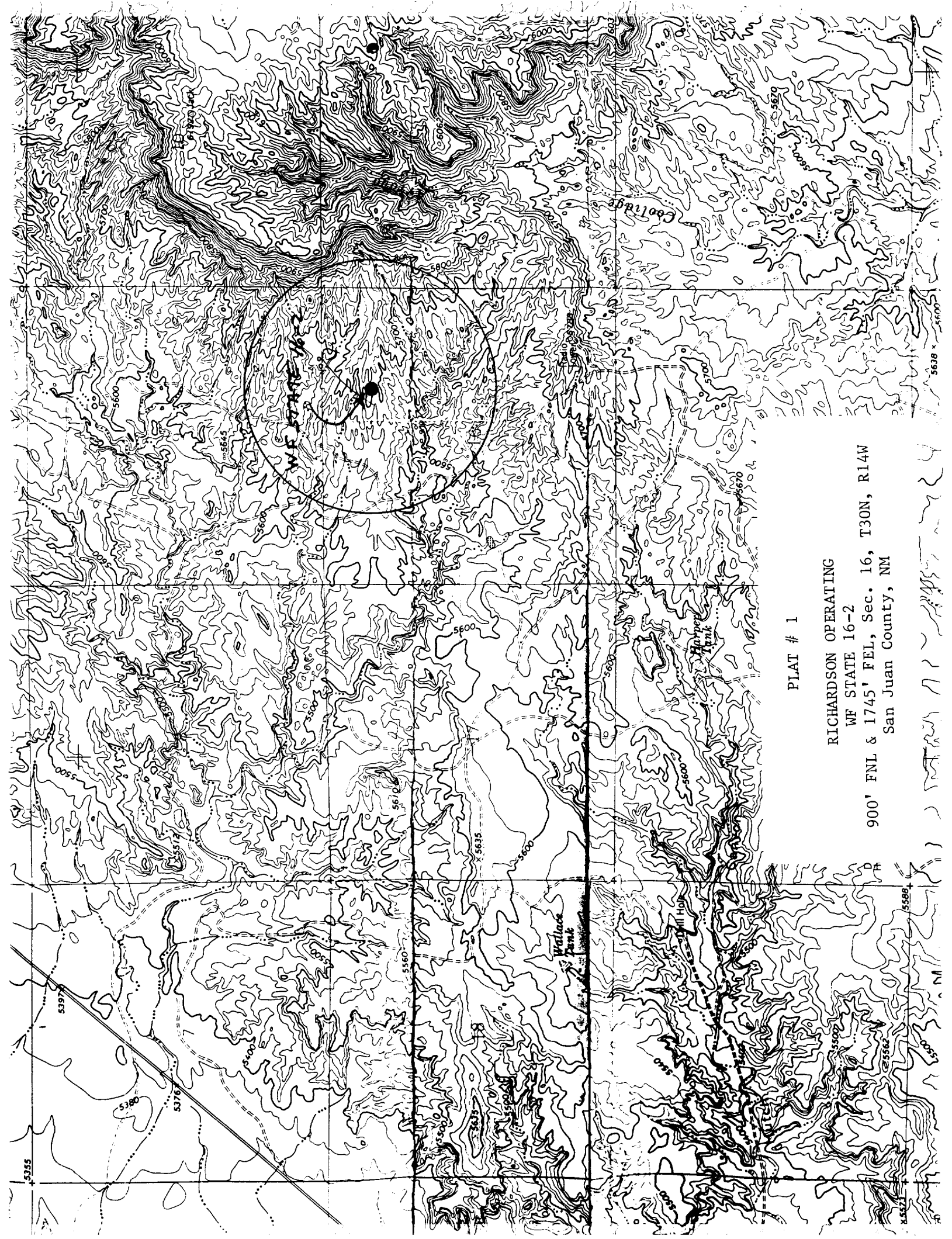
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
|               |         |     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

|                           |                         |                       |              |
|---------------------------|-------------------------|-----------------------|--------------|
| 12 Dedicated Acres<br>160 | 13 Joint or Infill<br>Y | 14 Consolidation Code | 15 Order No. |
|---------------------------|-------------------------|-----------------------|--------------|

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

|    |  |  |
|----|--|--|
| 16 |  | 17 OPERATOR CERTIFICATION<br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief<br><br>Signature <u>Paul C. Thompson</u><br>Printed Name Paul C. Thompson<br>Title Agent<br>Date 7-2-99  |
|    |  | 18 SURVEYOR CERTIFICATION<br>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.<br><br>Date of Survey<br>Signature and Seal of Professional Surveyor<br><br>Certificate Number |
|    |  |  |

RECEIVED  
JUL - 6 1999  
OIL CON. DIV.  
DIST. 3



PLAT # 1

RICHARDSON OPERATING

WF STATE 16-2

900' FNL & 1745' FEL, Sec. 16, T30N, R14W

San Juan County, NM