

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
Revised March 17, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

AMENDED REPORT

CONFIDENTIAL

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

| | | |
|--|-------------------------------------|--|
| ¹ Operator Name and Address Richardson Operating Company 1700 Lincoln, Suite 1700 Denver, CO 80203 | | ² OGRID Number 019219 ✓ |
| ³ Property Code 23932 | | ³ API Number 045 - 30077 |
| ³ Property Name WF State 16 | ³ Property Name 23932 | ⁶ Well No. 4 |

⁷ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| C | 16 | 30N | 14W | | 1035' | North | 1330' | West | San Juan |

⁸ 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 |
|----------------------------------|---------|----------|-------|---------|---------------|-------------------------------|---------------|----------------|--------|
| Harper Hill Fruit. Sand - PC EXT | | | | | | ¹⁰ Proposed Pool 2 | | | |

| | | | | |
|-----------------------------------|---------------------------------------|--|---|---|
| ¹¹ Work Type Code N | ¹² Well Type Code G | ¹³ Cable/Rotary Rotary | ¹⁴ Lease Type Code S | ¹⁵ Ground Level Elevation 5637' |
| ¹⁶ Multiple No | ¹⁷ Proposed Depth 1400' | ¹⁸ Formation Pictured Cliffs | ¹⁹ Contractor L & B Speed Drill | ²⁰ Spud Date |

²¹ Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 8 3/4" | 7" | 20# | 130' | 35 sacks | Surface |
| 6 1/4" | 4 1/2" | 10.5# | 1400' ✓ | 175 sacks | Surface |
| | | | | | |
| | | | | | |
| | | | | | |

²² 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.

A 2000 psi rated blowout prevention system will be used consisting of both blind rams and pipe rams.

| | | | |
|---|--|---|--|
| ²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: Cathleen Colby Printed name: Cathleen Colby Title: Land Manager Date: 12-3-99 | | <p>OIL CONSERVATION DIVISION</p> <p>Approved by: Charlie T. Perrin</p> <p>Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3</p> <p>Approval Date: DEC 6 1999 Expiration Date: DEC 6 2000</p> <p>Conditions of Approval:</p> <p>Attached <input type="checkbox"/></p> | |
| Phone: (303) 830-8000 | | | |

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., / sec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Mineral & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State License - 4 Copies
Fee License - 3 Copies

☐ AMENDMENT REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|------------------------------|--|---|--|---|---------------------|
| 1 API Number 30-045-30077 | | 2 Pool Code 78160 | | 3 Pool Name Harper Hill Fruit. Sand PC | |
| 4 Property Code 23932 | | 5 Property Name WF State | | | 6 Number 16 |
| 7 OGRID No. 019219 | | 8 Operator Name RICHARDSON OPERATING COMPANY | | | 9 Location 5637' |

10 Surface Location

| | | | | | | | | | |
|------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|--------------------|
| UL Plot no. C | Section 16 | Township 30 N | Range 14 W | Lot Idn | Feet from the 1035 | North/South line North | Feet from the 1330 | East/West line West | County San Juan |
|------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|--------------------|

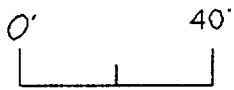
11 Bottom Hole Location If Different From Surface

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

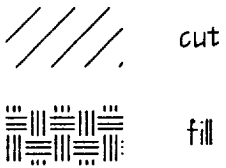
| | | | |
|---------------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres 160 | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|---------------------------|--------------------|-----------------------|--------------|

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

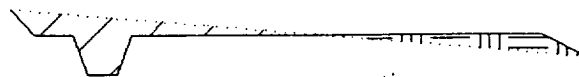
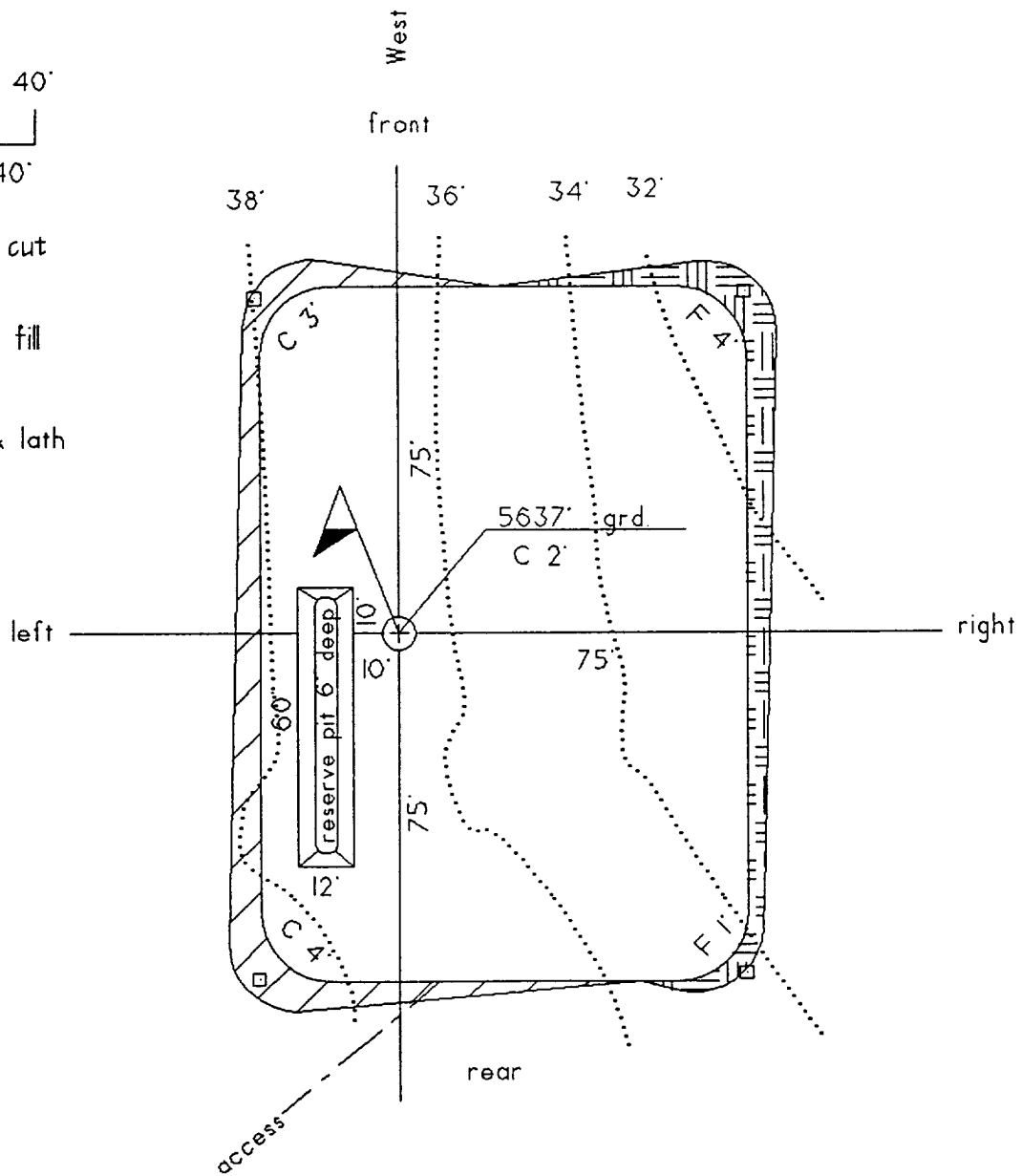
| | | | | |
|-----------|--|--|--|--|
| <p>16</p> | 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <u>Brian Wood</u> Printed Name: <u>BRIAN WOOD</u> Title: <u>Consultant</u> Date: <u>12-9-99</u> | | | |
| | 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 knowledge and belief. Date of Survey: <u>12-9-99</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> Certificate Number: _____ | | | |
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Scale 1" = 40'



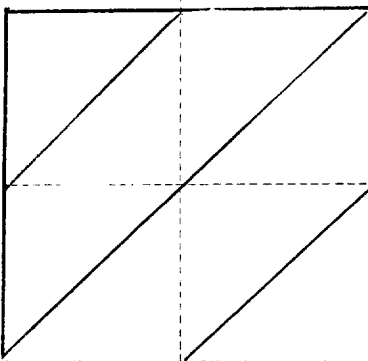
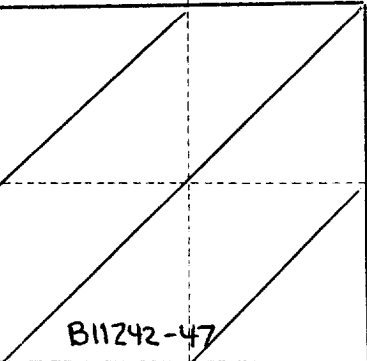
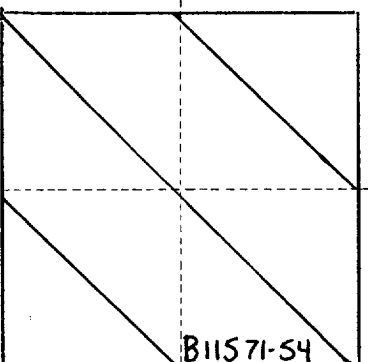
□ set stake & lath



section

Township 30 North Range 14 West County San Juan State New Mexico

NW/4 - Section 16 Leases

| | | | | | | | | | | |
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| E 3149-6 | | | | | | | | | | |
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