

District I  
PO Box 1980, Hobbs, NM 88241-1980  
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 Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

AMENDED REPORT

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

|   |   |                                     |
|---|---|-------------------------------------|
| <sup>1</sup> Operator Name and Address.<br>Williams Production Company<br>P.O. Box 3102, MS 37-2<br>Tulsa, OK 74101 |   | <sup>2</sup> OGRID Number<br>120782 |
| <sup>3</sup> API Number<br>30.039-26630   |   |                                     |
| <sup>4</sup> Property Code<br>17033   | <sup>5</sup> Property Name<br>Rosa Unit | <sup>6</sup> Well No.<br>24B        |

| <sup>7</sup> Surface Location |         |          |       |         |               |                  |               |                |            |
|-------------------------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| UL or lot no.                 | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
| N                             | 32      | 31N      | 5W    |         | 860'          | South            | 1975'         | West           | Rio Arriba |

| <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<br>Blanco - Mesa Verde                    |         |          |       |         | <sup>10</sup> Proposed Pool 2 |                  |               |                |        |

|                                   |  |  |  |  |
|-----------------------------------|--|--|--|--|
| <sup>11</sup> Work Type Code<br>N | <sup>12</sup> Well Type Code<br>G        | <sup>13</sup> Cable/Rotary<br>Rotary           | <sup>14</sup> Lease Type Code<br>S             | <sup>15</sup> Ground Level Elevation<br>6518' GR |
| <sup>16</sup> Multiple<br>No      | <sup>17</sup> Proposed Depth<br>6230' KB | <sup>18</sup> Formation<br>Blanco - Mesa Verde | <sup>19</sup> Contractor<br>Aztec Well Service | <sup>20</sup> Spud Date<br>April 1, 2001         |

| <sup>21</sup> Proposed Casing and Cement Program |             |                    |                  |                   |                |
|--|-------------|--------------------|------------------|-------------------|----------------|
| Hole Size  | Casing Size | Casing weight/foot | Setting Depth    | Sacks of Cement   | Estimated TOC  |
| 12-1/4"  | 9-5/8"      | 36# K-55           | 250' KB          | 130 sx (181 cuft) | Surface —      |
| 8-3/4"   | 7"          | 20# K-55           | 3805' KB         | 620 sx (1144cuft) | Surface —      |
| 6-1/4"   | 4-1/2"      | 10.5# K-55         | 3705' - 6230' KB | 270 sx (389 cuft) | Top of Liner — |
|  |             |                    |                  |                   |                |
|  |             |                    |                  |                   |                |

<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.

Williams Exploration & Production proposes to drill a vertical well with an 12-1/4" hole with water & benex to approx. 250' KB and set 9-5/8" 36# K55 surface casing, cement to surface with 130 sx of Class Type III, 2% CaCl<sub>2</sub> (181 cu ft), then drill 8-3/4" hole to 3805' KB, set 7" K-55 casing. Cement Lead with 435 sx (888 cu ft) of Type III 65/35 Poz with 8% gel + 1% CaCl<sub>2</sub>; Cement Tail with 185 sx (256 cuft) of class Type III + 1% CaCl<sub>2</sub>. Drill 6-1/4" hole to 6218'KB, set 4-1/2" K-55 casing, set production liner, cement Lead with 80 sx (116 Cuft) of Class H + 50/50 poz, cement Tail with 190 sx (273 cu ft) of Class-H 50/50 poz + 4% gel + 0.4% FL-5. Run cased hole log (TMDL). While drill pipe in use run not less than one BOP test per day. Set 9-5/8" 36# K-55 production casing from 250' KB to surface, set 7", 20# K-55 casing from 250'KB to 3758"KB, and set 4-1/2" 10.5# K-55 casing from 3658'KB to 6218'KB. The 125% excess should circulate cement to surface. WOC 12 hours. Run cement bond log across all intervals to be perforated & find Top of Cement behind all casing strings. Pressure test 7" & 4-1/2" casing to 3300# for 15 minutes. Mesa Verde: run 2-3/8", 4.7#, J-55 EUE tubing with a SN (1.91" ID) on top of bottom joint. Land tubing approximately 25' above bottom Point Lookout perforation. Will test Mesa Verde through perforated casing. Will fracture stimulate and put on for production test. Surface ownership is State of NM. Surface State procedures. Formation tops: Ojo Alamo- 2620', Kirtland-2745', Fruitland-3055', Pictured Cliffs 3330', Lewis 3625', Cliff House 5495', Menefee 5550', Point Lookout 5780', Mancos 6085', TD 6230', all KB.

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

Signature:

Printed name: Steve Nelson

Title: Agent, Nelson Consulting, Inc.

Date: January 8, 2001

Phone: 505-327-6331

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date

Expiration Date:

Conditions of Approval:  
Attached ☐

District I  
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals & Natural Resources Department

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

District II  
PO Drawer DD, Artesia, NM 88211-0719

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                             |   |                       |                                  |
|-----------------------------|---|-----------------------|----------------------------------|
| *API Number<br>30-039-26630 |   | *Pool Code<br>72319 - | *Pool Name<br>Blanco Mesaverde - |
| *Property Code<br>17033     | *Property Name<br>ROSA UNIT                   |                       | *Well Number<br>24B              |
| *GRID No.<br>120782         | *Operator Name<br>WILLIAMS PRODUCTION COMPANY |                       | *Elevation<br>6518 -             |

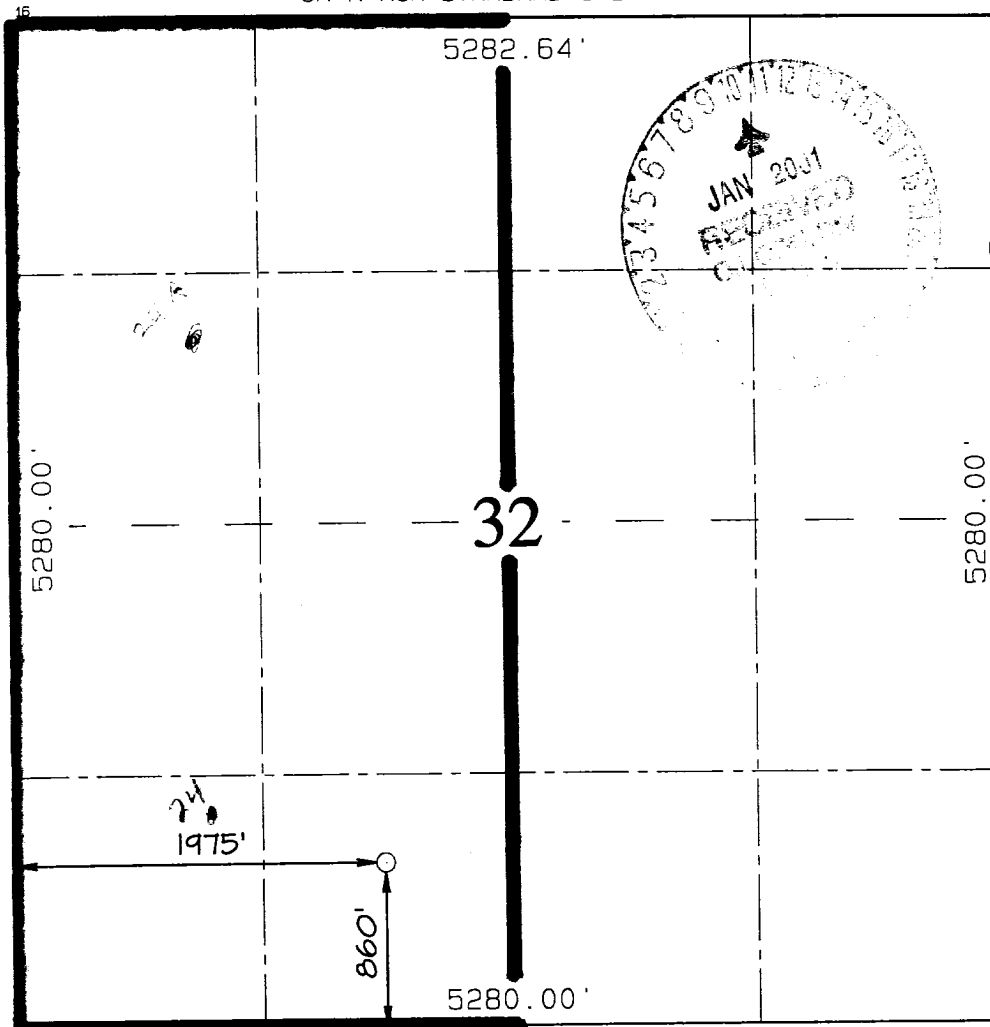
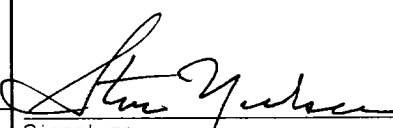
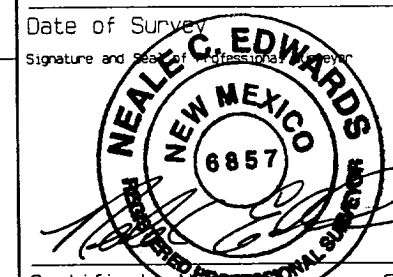
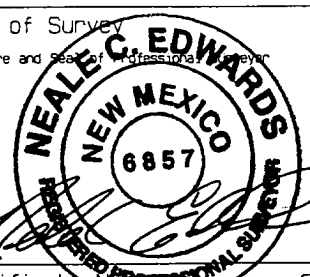
<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| N             | 32      | 31N      | 5W    |         | 860           | SOUTH            | 1975          | WEST           | RIO ARriba |

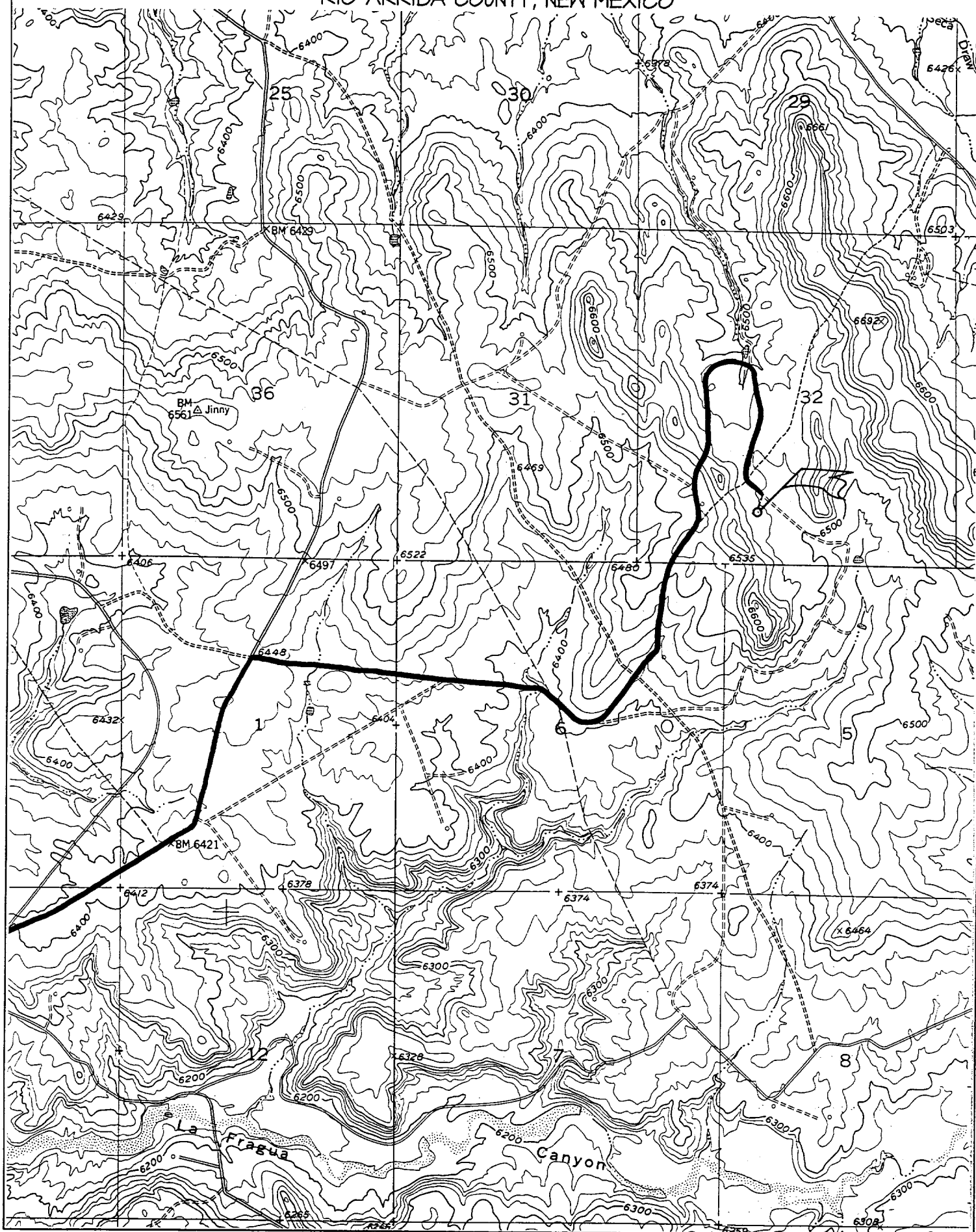
<sup>11</sup> Bottom Hole Location If Different From Surface

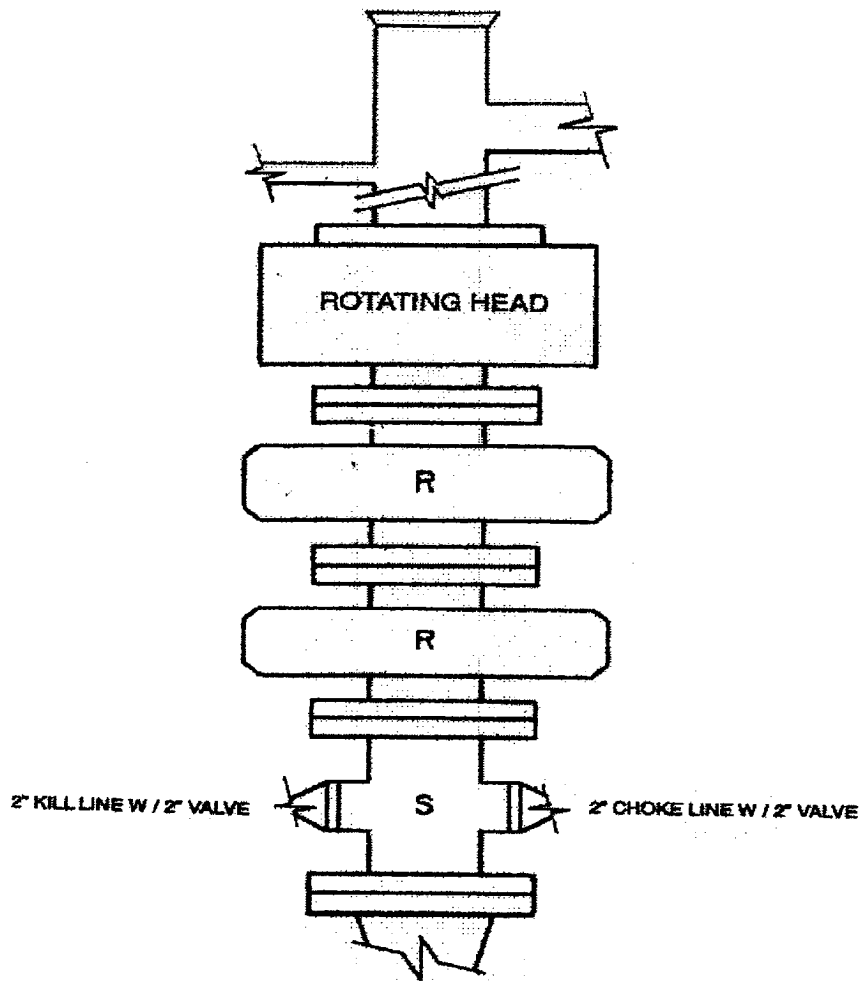
| UL or lot no.                              | Section | Township                           | Range | Lot Idn                               | Feet from the | North/South line        | Feet from the | East/West line | County |
|--|---------|------------------------------------|-------|---------------------------------------|---------------|-------------------------|---------------|----------------|--------|
|  |         |                                    |       |                                       |               |                         |               |                |        |
| <sup>12</sup> Dedicated Acres<br>320 - W/2 |         | <sup>13</sup> Joint or Infill<br>I |       | <sup>14</sup> Consolidation Code<br>U |               | <sup>15</sup> 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

|   |   |
|---|---|
|  | <sup>17</sup> 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>Steve Nelson<br>Printed Name<br>Agent, Nelson Consulting<br>Title<br>January 8, 2001<br>Date   |
|   | <sup>18</sup> 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>DECEMBER 7, 2000<br>Date of Survey<br><br>Signature and Seal of Professional Surveyor<br><br>Certificate Number 6857 |

860' FSL & 1975' FWL, SECTION 32, T31N, R5W, N.M.P.M.  
RIO ARriba COUNTY, NEW MEXICO





**2M – BOP ARRANGEMENT**

**2M SYSTEM:**

- Annular preventer or double ram or two rams with one being blind and one being a pipe ram
- Kill line (2 inch minimum)
- 1 kill line valve (2 inch minimum)
- 1 choke line valve
- 2 chokes (refer to diagram)
- Upper kelly cock valve with handle available
- Safety valve and subs to fit all drill strings in use
- Pressure gauge on choke manifold
- 2 inch minimum choke line
- Fill-up line above uppermost preventer

Anticipated reservoir pressure is expected to be less than 1300 psi on all encountered zones.

All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1500 psi. The pipe and blind rams will be activated and checked for operational readiness each trip. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock with handle, floor safety valve with changeovers for each tool joint in the string and choke manifold all rated to 2000 psi