

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 Pancheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pancheco  
Santa Fe, NM 87505

Form C-101

Revised February 10, 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>2</sup> Operator Name and Address.<br>Devon Energy Production Company, L.P.<br>1500 Mid America Tower<br>20 N. Broadway<br>Oklahoma City, OK 73102-8260 |  | <sup>1</sup> OGRID Number<br>6137       |
| <sup>4</sup> Property Code<br><del>28054</del> 28958                                                                                                         |  | <sup>3</sup> API Number<br>30-015-32058 |
| <sup>5</sup> Property Name<br>Troll "7" State Com                                                                                                            |  | <sup>6</sup> Well No.<br>2              |

<sup>7</sup> Surface Location

|                    |              |                 |              |         |                      |                           |                      |                        |                |
|--------------------|--------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|----------------|
| UL or lot no.<br>A | Section<br>7 | Township<br>17S | Range<br>27E | Lot lds | Feet from the<br>660 | North/South line<br>North | Feet from the<br>890 | East/West line<br>East | County<br>Eddy |
|--------------------|--------------|-----------------|--------------|---------|----------------------|---------------------------|----------------------|------------------------|----------------|

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

|                                                                            |         |          |       |         |               |                               |               |                |        |
|----------------------------------------------------------------------------|---------|----------|-------|---------|---------------|-------------------------------|---------------|----------------|--------|
| UL or lot no.                                                              | Section | Township | Range | Lot lds | Feet from the | North/South line              | Feet from the | East/West line | County |
| <sup>9</sup> Proposed Pool 1<br><del>Box Morrow 80400</del><br>Crown Flats |         |          |       |         |               | <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>R   | <sup>14</sup> Lease Type Code<br>P    | <sup>15</sup> Ground Level Elevation<br>3338' |
| <sup>16</sup> Multiple<br>No      | <sup>17</sup> Proposed Depth<br>9500' | <sup>18</sup> Formation<br>Morrow | <sup>19</sup> Contractor<br>Patterson | <sup>20</sup> Spud Date<br>11/1/01            |

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

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 17 1/2"   | 13 3/8"     | 48 #               | 400           | 400             | Surface       |
| 12 1/4"   | 8 5/8"      | 32 #               | 1800          | 700             | Surface       |
| 7 7/8"    | 5 1/2"      | 17 #               | 9500          | 800             | 6000          |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |

<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.

Devon Energy Production Company, L. P. plans to drill this well to a total depth of 9500' and complete as a Morrow gas well. Should the well be deemed noncommercial, then it will be plugged and abandoned in accordance with the rules established by the New Mexico OCD.

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

Signature: *[Signature]*  
Printed name: Jim Linville

Title: Sr. Operations Engineer

Date: 10/8/01

Phone: 405 228 4261

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM  
DISTRICT II SUPERVISOR

Title:

Approval Date:

OCT 18 2001

Expiration Date:

OCT 18 2002

Conditions of Approval:

Attached ☐

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 Department

Form C-102  
Revised March 17, 1999

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

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                        |                                                    |                                |
|------------------------|----------------------------------------------------|--------------------------------|
| API Number             | Pool Code<br>80400                                 | Pool Name<br>Logan Draw Morrow |
| Property Code<br>28054 | Property Name<br>TROLL "7" STATE COM               | Well Number<br>2               |
| OGRID No.<br>6137      | Operator Name<br>DEVON ENERGY PRODUCTION CO., L.P. | Elevation<br>3338'             |

Surface Location

|                    |              |                  |               |         |                      |                           |                      |                        |                |
|--------------------|--------------|------------------|---------------|---------|----------------------|---------------------------|----------------------|------------------------|----------------|
| UL or lot No.<br>A | Section<br>7 | Township<br>17 S | Range<br>27 E | Lot Idn | Feet from the<br>660 | North/South line<br>NORTH | Feet from the<br>890 | East/West line<br>EAST | County<br>EDDY |
|--------------------|--------------|------------------|---------------|---------|----------------------|---------------------------|----------------------|------------------------|----------------|

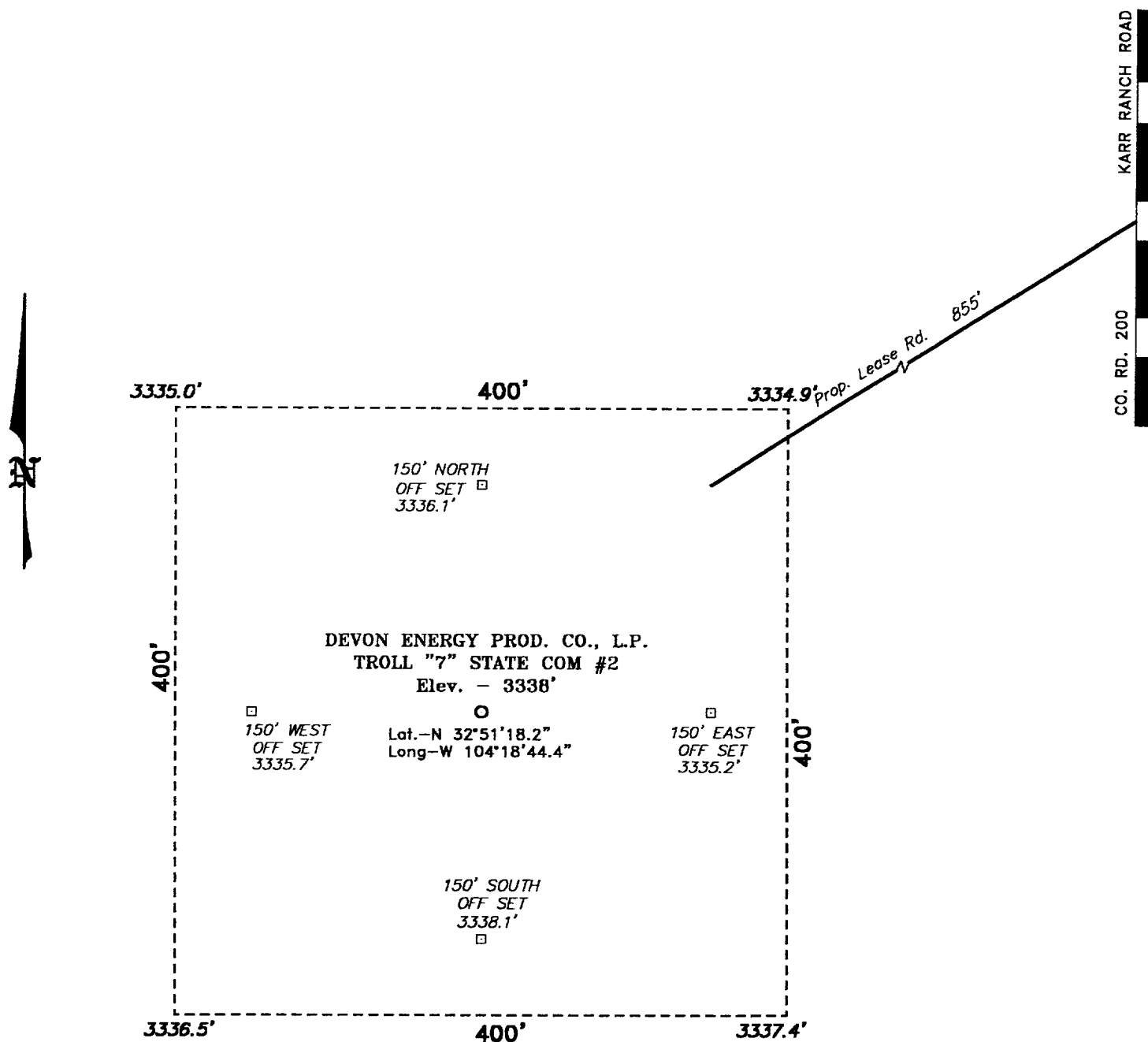
Bottom Hole Location If Different From Surface

|                            |                           |                    |           |         |               |                  |               |                |        |
|----------------------------|---------------------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot No.              | Section                   | Township           | Range     | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| Dedicated Acres<br>160 320 | Joint or Infill<br>Infill | Consolidation Code | 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

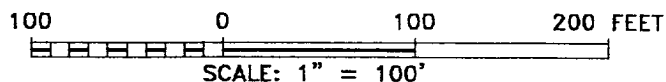
|                                                              |                                                                  |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Proposed<br/>160 infill well<br/>Troll 7 State Com #2</p> |                                                                  | <p>3335.0' 3334.9' 3336.5' 3337.4' 890' 660'</p> <p>Lat - N32°51'18.2"<br/>Long - W104°18'44.4"</p> | <p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><br/>Signature<br/>Jim L. Linville, Jr.<br/>Printed Name<br/>Sr. Operations Engineer<br/>Title<br/>10/9/01<br/>Date</p>                                                                                                                                                      |
|                                                              | <p>Troll 7 State Com #1<br/>APD approved<br/>not yet drilled</p> | <p>1780'<br/>1980'</p>                                                                              | <p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>September 18, 2001<br/>Date Surveyed<br/>JONES<br/>Signature &amp; Seal of Professional Surveyor<br/>7977<br/>W.C. No. 1875A<br/>Certificate No. 7977 Jones<br/>BASIN SURVEYS</p> |

SECTION 7, TOWNSHIP 17 SOUTH, RANGE 27 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF US HWY 82 & CO. RD.  
200, GO NORTH ON KARR RANCH ROAD FOR 1.5  
MILE TO A PROPOSED LEASE ROAD.



**DEVON ENERGY PROD. CO., L.P.**

REF: TROLL "7" STATE COM No. 2 / Well Pad Topo

THE TROLL "7" STATE COM No. 2 LOCATED 560' FROM  
THE NORTH LINE AND 890' FROM THE EAST LINE OF  
SECTION 7, TOWNSHIP 17 SOUTH, RANGE 27 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

**BASIN SURVEYS** P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 1875

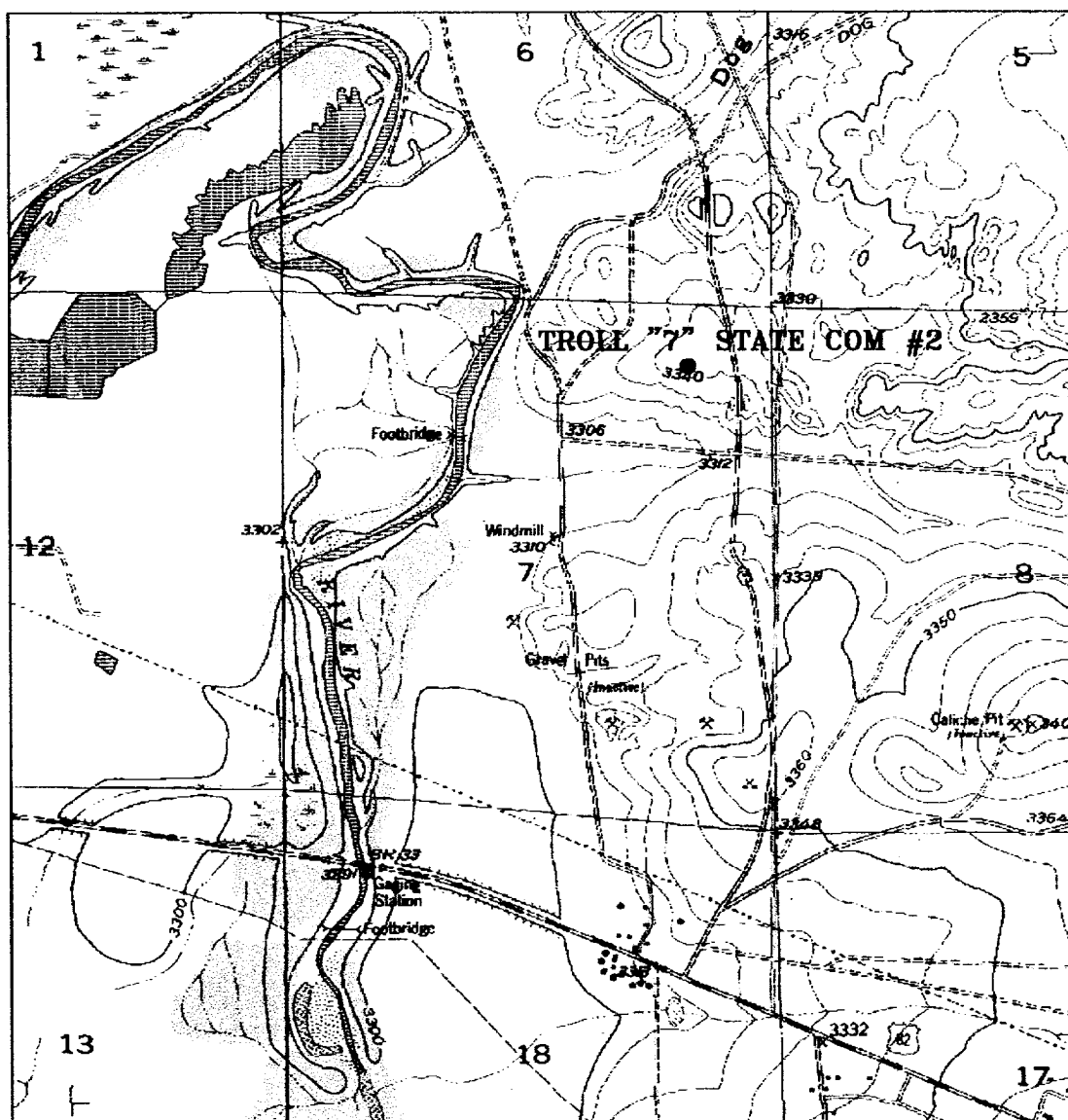
Drawn By: K. GOAD

Date: 09-20-2001

Disk: KJG CD#4 - 1875A.DWG

Survey Date: 09-18-2001

Sheet 1 of 1 Sheets



## TROLL "7" STATE COM #2

Located at 660' FSL and 890' FEL  
 Section 7, Township 17 South, Range 27 East,  
 N.M.P.M., Eddy County, New Mexico.

**basin**  
**surveys**  
 focused on excellence  
 in the oilfield

P.O. Box 1786  
 1120 N. West County Rd.  
 Hobbs, New Mexico 88241  
 (505) 393-7316 - Office  
 (505) 392-3074 - Fax  
 basinsurveys.com

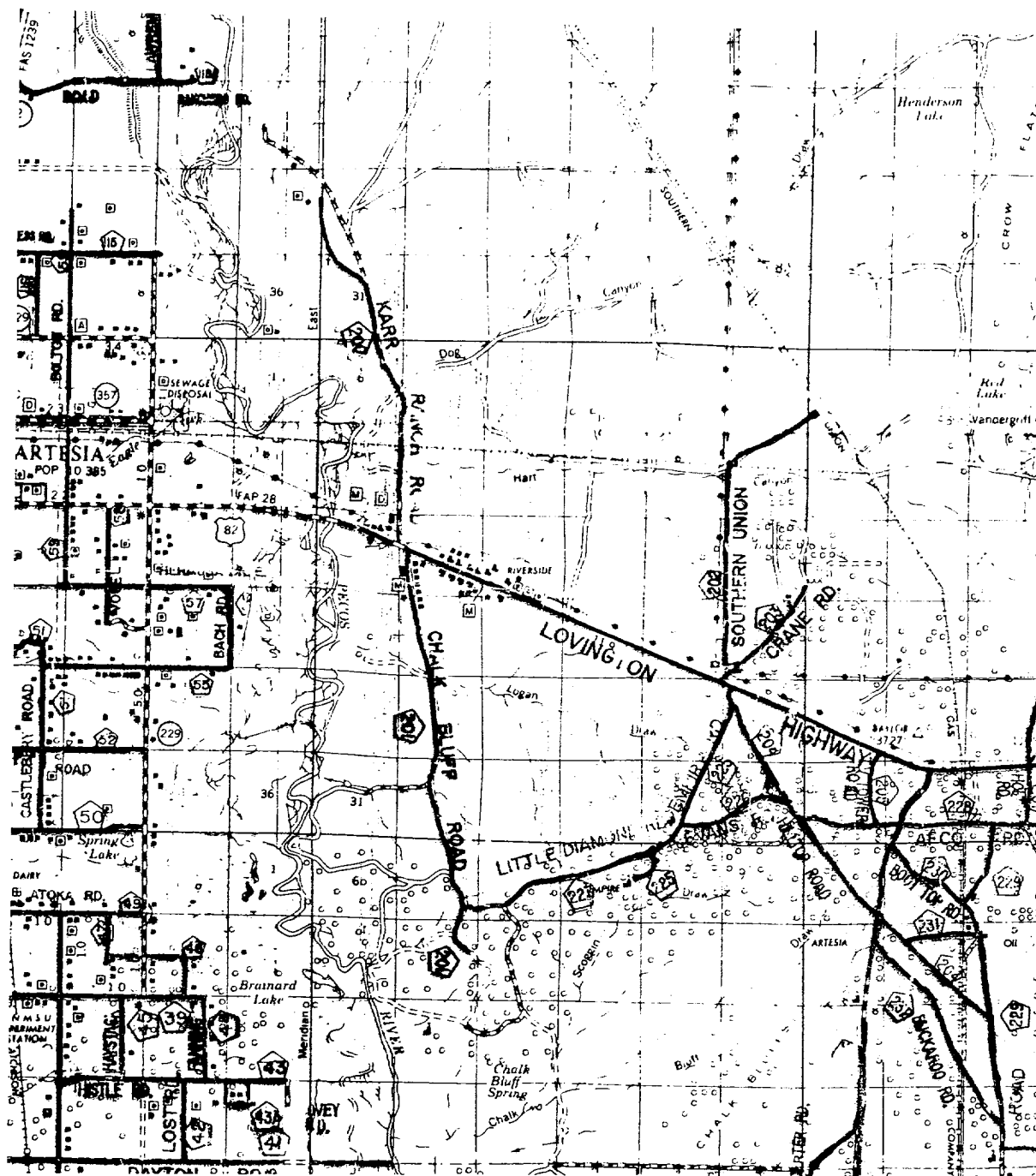
W.O. Number: 1875AA - KJG CD#4

Survey Date: 09-18-2001

Scale: 1" = 2000'

Date: 09-20-2001

DEVON  
 ENERGY PROD.  
 CO., L.P.



TROLL "7" STATE COM #2  
 Located at 660' FSL and 890' FEL  
 Section 7, Township 17 South, Range 27 East,  
 N.M.P.M., Eddy County, New Mexico.

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[basinsurveys.com](http://basinsurveys.com)

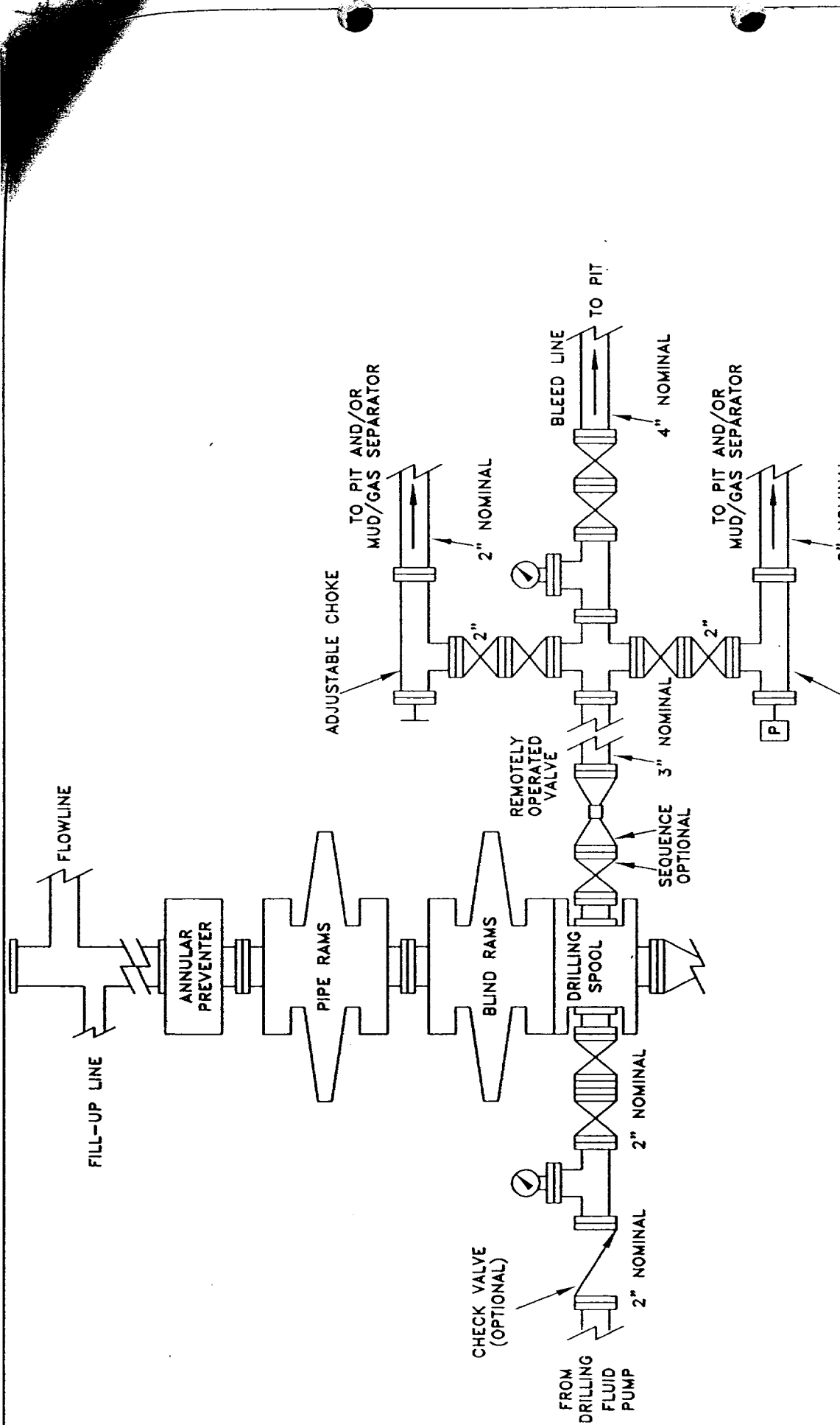
W.O. Number: 1875AA - KJG CD#4

Survey Date: 09-18-2001

Scale: 1" = 2 MILES

Date: 09-20-2001

DEVON  
 ENERGY PROD.  
 CO., L.P.



AREA NAME  
 COUNTY, STATE

SCHEMATIC  
**PROPOSED 5-M BOPE  
 AND CHOKE ARRANGEMENT**

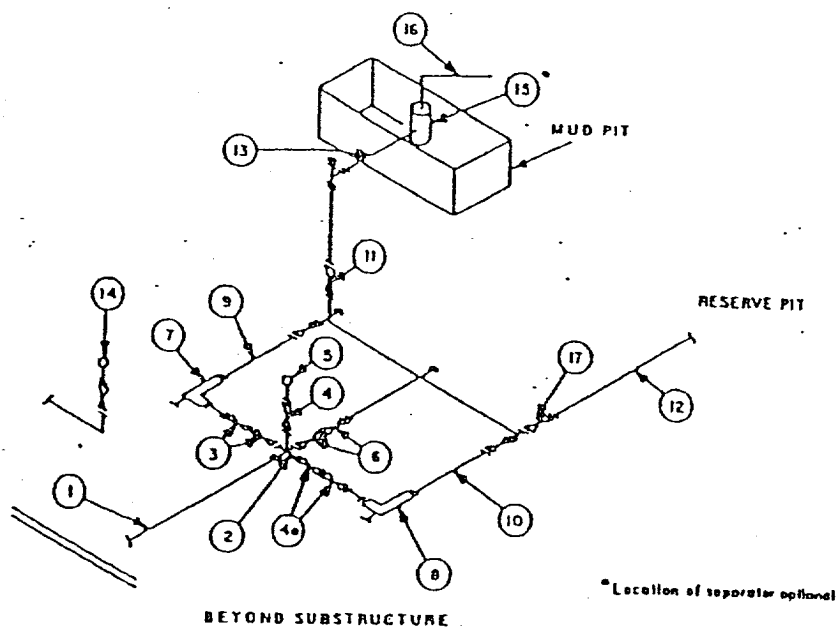
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MINIMUM CHOKE MANIFOLD  
3,000, 5,000 and 10,000 PSI Working Pressure

3 MWP - 5 MWP - 10 MWP

EXHIBIT # 1



| MINIMUM REQUIREMENTS |                                                                                                                                                                                                                                     |           |         |          |           |         |          |            |         |        |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|----------|-----------|---------|----------|------------|---------|--------|
| No.                  |                                                                                                                                                                                                                                     | 3,000 MWP |         |          | 5,000 MWP |         |          | 10,000 MWP |         |        |
|                      |                                                                                                                                                                                                                                     | I.D.      | NOMINAL | RATING   | I.D.      | NOMINAL | RATING   | I.D.       | NOMINAL | RATING |
| 1                    | Line from drilling spool                                                                                                                                                                                                            |           | 3"      | 3,000    |           | 3"      | 5,000    |            | 3"      | 10,000 |
| 2                    | Cross 3"x3"x3"x2"                                                                                                                                                                                                                   |           |         | 3,000    |           |         | 5,000    |            | 3"      | 10,000 |
|                      | Cross 3"x3"x3"x3"                                                                                                                                                                                                                   |           |         |          |           |         |          |            |         | 10,000 |
| 3                    | Valves(1) Gate <input type="checkbox"/><br>Plug <input <="" td="" type="checkbox/&gt;(2)&lt;/td&gt;&lt;td&gt;3-1/8"/> <td></td> <td>3,000</td> <td>3-1/8"</td> <td></td> <td>5,000</td> <td>3-1/8"</td> <td></td> <td>10,000</td>   |           | 3,000   | 3-1/8"   |           | 5,000   | 3-1/8"   |            | 10,000  |        |
| 4                    | Valve Gate <input type="checkbox"/><br>Plug <input <="" td="" type="checkbox/&gt;(2)&lt;/td&gt;&lt;td&gt;1-13/16"/> <td></td> <td>3,000</td> <td>1-13/16"</td> <td></td> <td>5,000</td> <td>1-13/16"</td> <td></td> <td>10,000</td> |           | 3,000   | 1-13/16" |           | 5,000   | 1-13/16" |            | 10,000  |        |
| 4a                   | Valves(1)                                                                                                                                                                                                                           | 2-1/16"   |         | 3,000    | 2-1/16"   |         | 5,000    | 3-1/8"     |         | 10,000 |
| 5                    | Pressure Gauge                                                                                                                                                                                                                      |           |         | 3,000    |           |         | 5,000    |            |         | 10,000 |
| 6                    | Valves Gate <input type="checkbox"/><br>Plug <input <="" td="" type="checkbox/&gt;(2)&lt;/td&gt;&lt;td&gt;3-1/8"/> <td></td> <td>3,000</td> <td>3-1/8"</td> <td></td> <td>5,000</td> <td>3-1/8"</td> <td></td> <td>10,000</td>      |           | 3,000   | 3-1/8"   |           | 5,000   | 3-1/8"   |            | 10,000  |        |
| 7                    | Adjustable Choke(3)                                                                                                                                                                                                                 | 2"        |         | 3,000    | 2"        |         | 5,000    | 2"         |         | 10,000 |
| 8                    | Adjustable Choke                                                                                                                                                                                                                    | 1"        |         | 3,000    | 1"        |         | 5,000    | 2"         |         | 10,000 |
| 9                    | Line                                                                                                                                                                                                                                |           | 3"      | 3,000    |           | 3"      | 5,000    |            | 3"      | 10,000 |
| 10                   | Line                                                                                                                                                                                                                                |           | 2"      | 3,000    |           | 2"      | 5,000    |            | 3"      | 10,000 |
| 11                   | Valves Gate <input type="checkbox"/><br>Plug <input <="" td="" type="checkbox/&gt;(2)&lt;/td&gt;&lt;td&gt;3-1/8"/> <td></td> <td>3,000</td> <td>3-1/8"</td> <td></td> <td>5,000</td> <td>3-1/8"</td> <td></td> <td>10,000</td>      |           | 3,000   | 3-1/8"   |           | 5,000   | 3-1/8"   |            | 10,000  |        |
| 12                   | Lines                                                                                                                                                                                                                               |           | 3"      | 1,000    |           | 3"      | 1,000    |            | 3"      | 2,000  |
| 13                   | Lines                                                                                                                                                                                                                               |           | 3"      | 1,000    |           | 3"      | 1,000    |            | 3"      | 2,000  |
| 14                   | Remote reading compound<br>standpipe pressure gauge                                                                                                                                                                                 |           |         | 3,000    |           |         | 5,000    |            |         | 10,000 |
| 15                   | Gas Separator                                                                                                                                                                                                                       |           | 2'x5'   |          |           | 2'x5'   |          |            | 2'x5'   |        |
| 16                   | Line                                                                                                                                                                                                                                |           | 4"      | 1,000    |           | 4"      | 1,000    |            | 4"      | 2,000  |
| 17                   | Valves Gate <input type="checkbox"/><br>Plug <input <="" td="" type="checkbox/&gt;(2)&lt;/td&gt;&lt;td&gt;3-1/8"/> <td></td> <td>3,000</td> <td>3-1/8"</td> <td></td> <td>5,000</td> <td>3-1/8"</td> <td></td> <td>10,000</td>      |           | 3,000   | 3-1/8"   |           | 5,000   | 3-1/8"   |            | 10,000  |        |

(1) Only one required in Class 3M.

(2) Gate valves only shall be used for Class 10M.

(3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

#### EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
3. All lines shall be securely anchored.
4. Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
5. Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.
6. Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90° bends using bull plugged tees.
7. Discharge lines from chokes, choke bypass and from top of gas separator should vent as far as practical from the well.