

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

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101  
Revised March 17, 1999

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

Operator Name and Address Devon Energy Production Company, L.P. 20 N. Broadway, Suite 1500 Oklahoma City, OK 73102-8260		<sup>2</sup> OGRID Number 6137
<sup>4</sup> Property Code 26982-32439	<sup>5</sup> Property Name Rifleman "5" State Com.	<sup>3</sup> API Number 30-015-32819
		<sup>6</sup> Well No. 2

<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
G	5	22S	26E		1750'	north	1750'	east	Eddy

<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 Happy Valley (Morrow) [78060]						<sup>10</sup> Proposed Pool 2			

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation GL 3294'
<sup>16</sup> Multiple N/A	<sup>17</sup> Proposed Depth 11,500'	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor unknown	<sup>20</sup> Spud Date 07/01/2003

<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# H-40	400'	400 sx	surface
12 1/4"	9 5/8"	40# N-80 & J-55	2600'	1000 sx	surface
7 7/8"	5 1/2"	17# HCP-110	11,500	1800 sx	4000'
WITNESS					

<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 plans to drill this well to a total depth of 11,500 feet and complete it as a Morrow development well. If it is deemed non-commercial then it will be plugged and abandoned in accordance with the rules and regulations established by the New Mexico OCD. Blowout prevention equipment will be installed while drilling the intermediate and production holes. Attached are C102 plat, maps, and BOP equipment schematics.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Gerald T. Pepper</i> Printed Name: Gerald T. (Tom) Pepper X4517 Title: Operations Engineering Advisor Date: 05/21/2003 Phone: (405)235-3611		<p>OIL CONSERVATION DIVISION</p> <p>Approved by: <i>Jim W. Green</i> Title: District Supervisor Approval Date: JUN 03 2003 Expiration Date: JUN 03 2004</p> <p>Conditions of Approval: Attached <input type="checkbox"/></p>
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## State of New Mexico

## DISTRICT I

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

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## DISTRICT II

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

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-		Pool Code 78060	Pool Name Happy Valley (Morrow)
Property Code 26982	Property Name RIFLEMAN "5" STATE COM.		Well Number 2
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.		Elevation 3294'

## Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	5	22-S	26-E		1750'	NORTH	1750'	EAST	EDDY

## Bottom Hole Location If Different From Surface

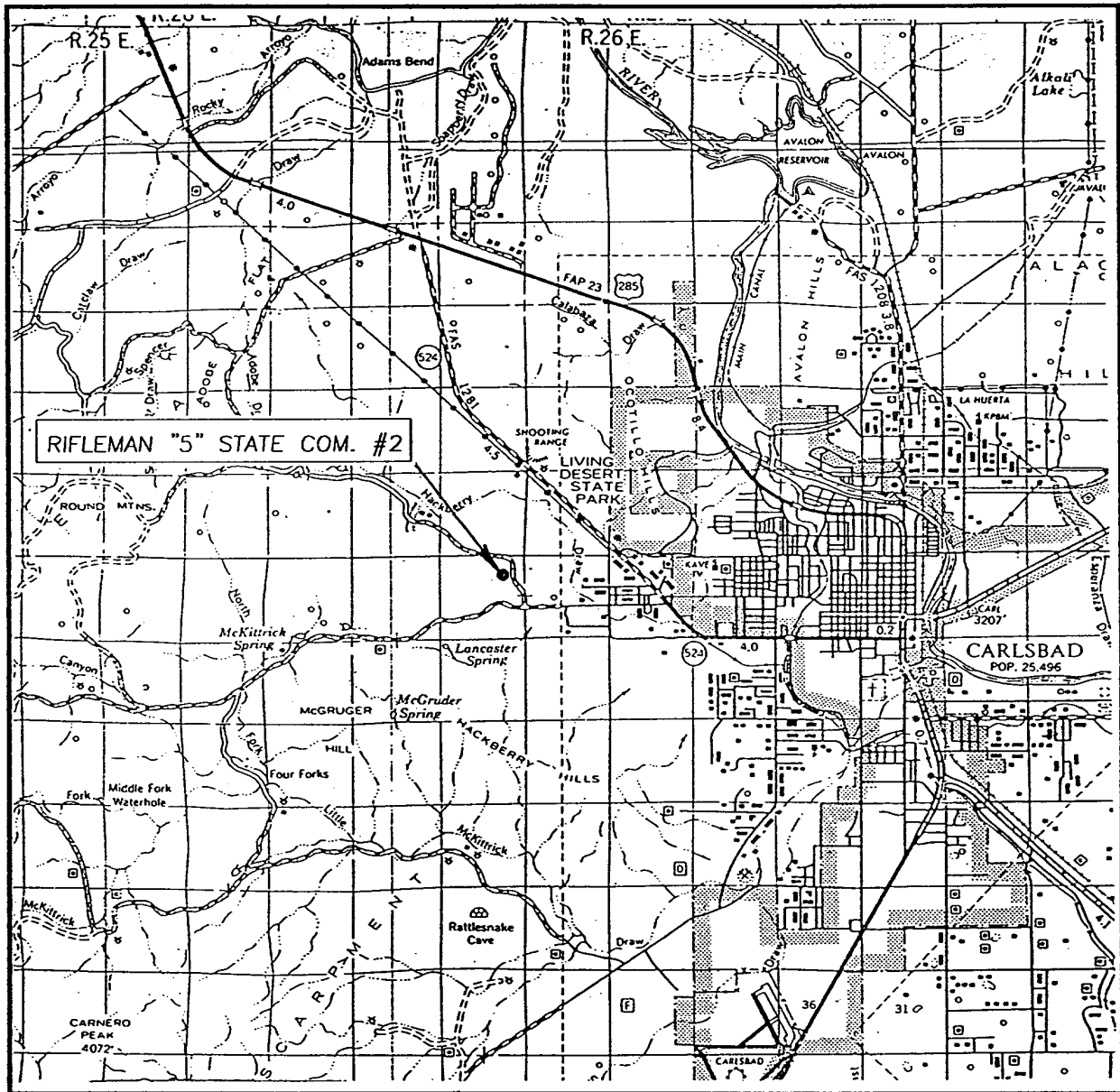
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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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>LOT 4      LOT 3      LOT 2      LOT 1</p> <p>1750'</p> <p>1750'</p> <p>GEODETTIC COORDINATES NAD 1927 NME Y= 517884.8 X= 506601.0 LAT. 32°25'25.60"N LONG. 104°18'42.99"W</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><i>[Signature]</i> Signature Gerald T. (Tom) Pepper Printed Name Operations Engr. Advisor Title May 21, 2003 Date</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>April 07, 2003</p> <p>Date Surveyed _____ AWB</p> <p>Signature &amp; Seal of Professional Surveyor <i>[Signature]</i> RONALD J. EDSON 03.11.0379</p> <p>Certificate No. RONALD J. EDSON 3239 GARY KUBSEN 12641</p>
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# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 5 TWP. 22-S RGE. 26-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1750' FNL & 1750' FEL

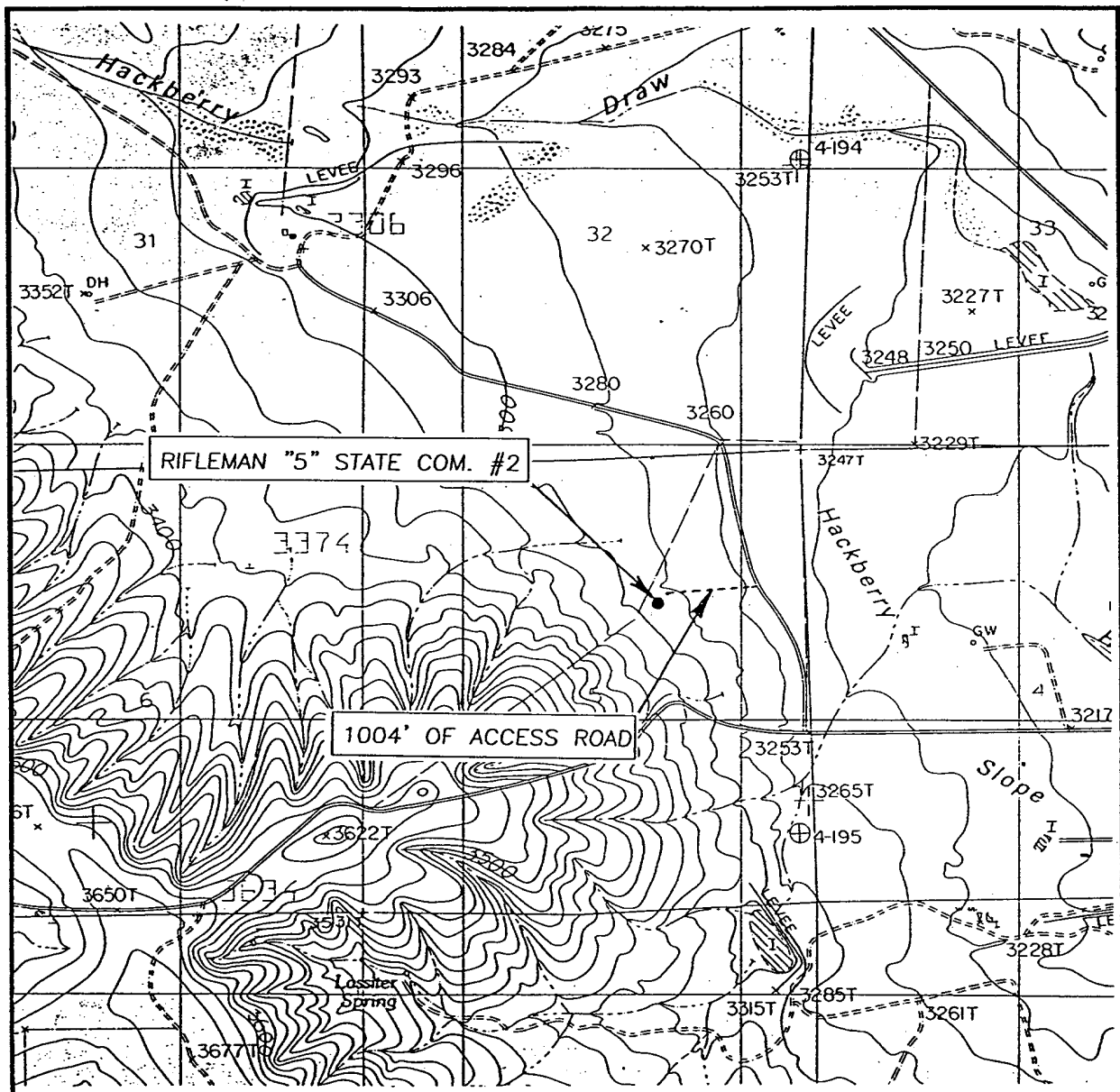
ELEVATION 3294'

OPERATOR DEVON ENERGY PROD, CO. L.P.

LEASE RIFLEMAN "5" STATE COM.

JOHN WEST SURVEYING  
HOBBS, NEW MEXICO  
(505) 393-3117

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 20'  
CARLSBAD WEST, N.M.

SEC. 5 TWP. 22-S RGE. 26-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1750' FNL & 1750' FEL

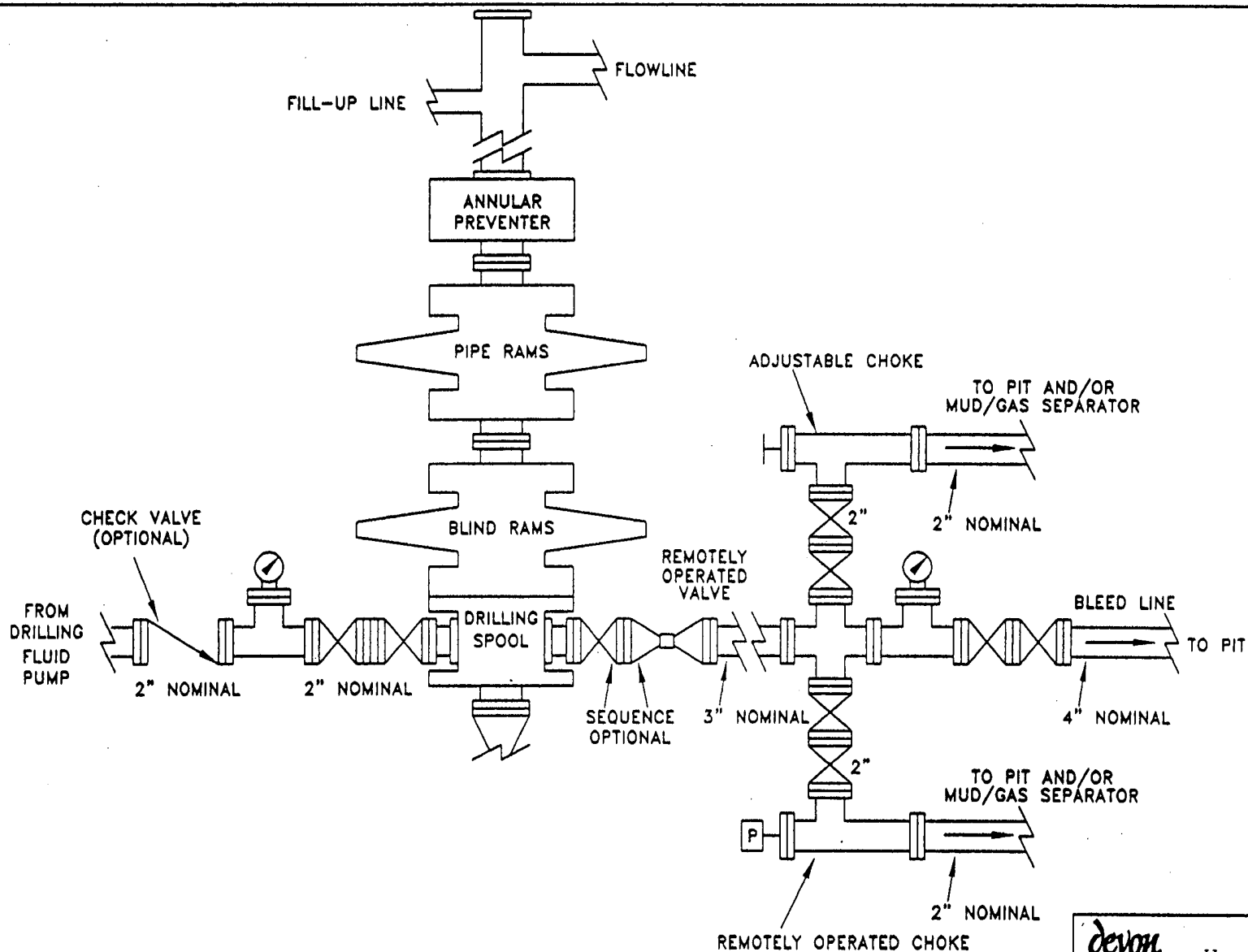
ELEVATION 3294'

OPERATOR DEVON ENERGY PROD, CO. L.P.

LEASE RIFLEMAN "5" STATE COM.

U.S.G.S. TOPOGRAPHIC MAP  
CARLSBAD WEST, N.M.

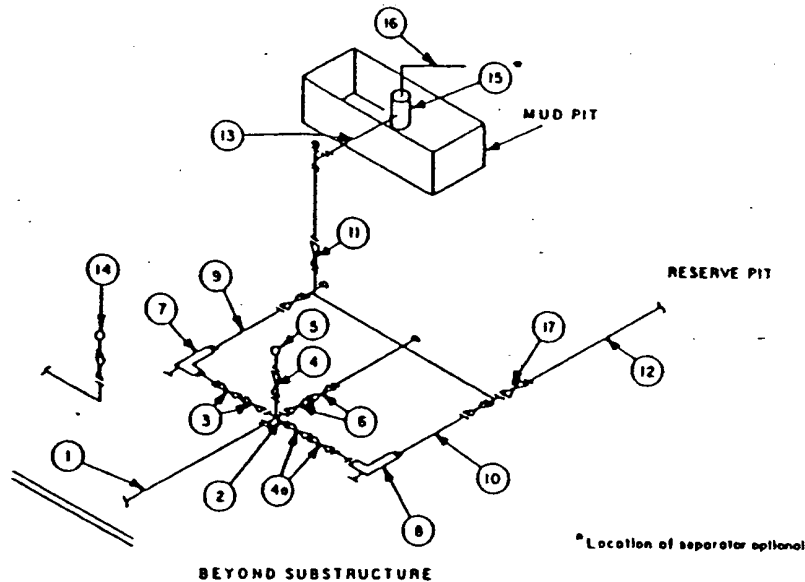
JOHN WEST SURVEYING  
HOBBS, NEW MEXICO  
(505) 393-3117



<b>devon</b>	
Happy Valley (Morrow)	
<b>AREA NAME</b>	
Eddy	COUNTY, STATE New Mexico
Rifleman 5 State Com. #2	
SCHEMATIC	
<b>PROPOSED 5-M BOPE AND CHOKE ARRANGEMENT</b>	
<div> <div>s:\...nm\plots</div> <div>5mbope.dwg</div> <div></div> <div></div> <div></div> <div></div> </div>	
SC	10/00

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

3 MWP - 5 MWP - 10 MWP



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			
	Cross 3"x3"x3"x3"									10,000
3	Valves(1) Gate <input type="checkbox"/> 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"/> 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"/> 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"/> 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 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"/> 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

- All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
- All lines shall be securely anchored.
- Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
- 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.
- 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.
- Discharge lines from chokes, choke bypass and from top of gas separator should vent as far as practical from the well.