

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

² Operator Name and Address. Devon Energy Production Company, L.P. 1500 Mid America Tower 20 N. Broadway Oklahoma City, OK 73102-8260		¹ OGRID Number 6137
		³ API Number 30-025-35735
⁴ Property Code 28932	⁵ Property Name GRN 27 STATE COM	⁶ Well No. 1

⁷ Surface Location

UL or lot no. G	Section 27	Township 21S	Range 34E	Lot Ids	Feet from the 1330'	North/South line NORTH	Feet from the 1650'	East/West line EAST	County LEA
--------------------	---------------	-----------------	--------------	---------	------------------------	---------------------------	------------------------	------------------------	---------------

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
⁹ Proposed Pool 1 SOUTH WILSON PENN Grama Ridge, Morrow E.						¹⁰ Proposed Pool 2			

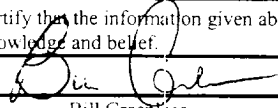
¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3706'
¹⁶ Multiple No	¹⁷ Proposed Depth 13,400'	¹⁸ Formation MORROW	¹⁹ Contractor MCVAY	²⁰ Spud Date 11/01/01

²¹ 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"	54.5	1400'	950	Surface
12 1/4"	9 5/8"	40	5975'	1600	1000'
8 3/4"	5 1/2"	17	13,400'	1600	5800'

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.

Devon Energy Production Company, L.P. plans to drill this well to a total depth of 13,400' 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 Oil Conservation Division.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: 	Approved by:		
Printed name: Bill Greenlee	Title:		
Title: Operations Engineering Advisor	Approval Date:	Expiration Date:	
Date: 10/5/01	Phone: (405)552-8194	Conditions of Approval:	
		Attached: 11	

8
28

DISTRICT I
1625 N. French Dr., Hobbs, NM 58240
DISTRICT II
811 South First, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Ed., 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 <u>30-025-357.35</u>	Pool Code <u>87520 77.96</u>	Pool Name <u>South Wilson Penn Grama Ridge Morrey E</u>
Property Code <u>28932</u>	Property Name <u>GRN "27" STATE COM</u>	Well Number <u>1</u>
OGRID No. <u>6137</u>	Operator Name <u>DEVON ENERGY PRODUCTION COMPANY, L.P.</u>	Elevation <u>3706</u>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<u>G</u>	<u>27</u>	<u>21 S</u>	<u>34 E</u>		<u>1330'</u>	<u>NORTH</u>	<u>1650'</u>	<u>EAST</u>	<u>LEA</u>

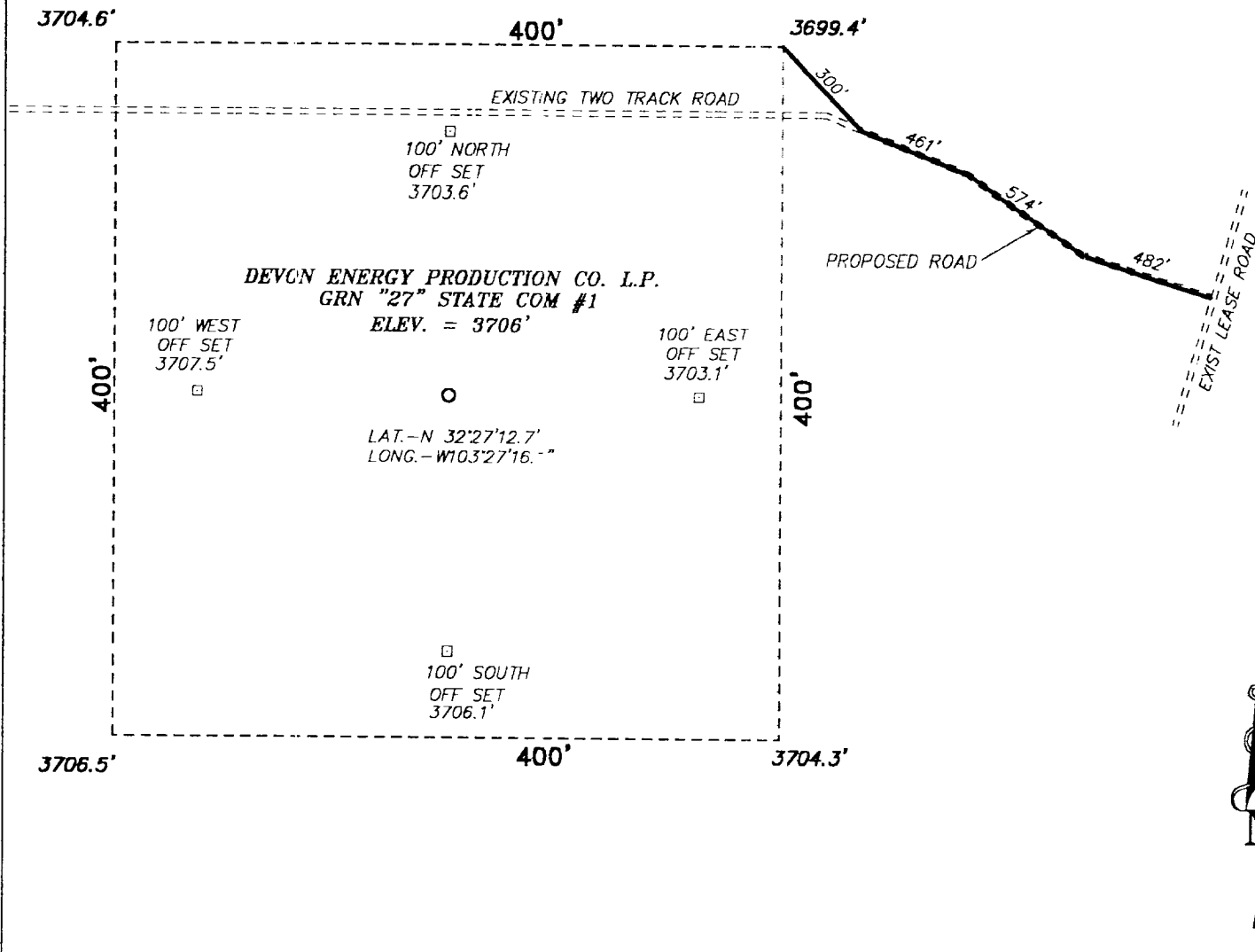
Bottom Hole Location If Different From Surface

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

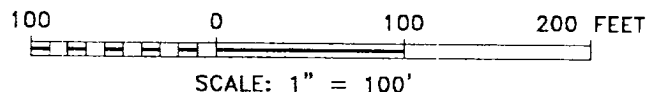
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Lat.: N32°27'12.7" Long.: W103°27'16.1"		OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <u>Bill Greenlees</u> Signature <u>Bill Greenlees</u> Printed Name <u>Operations Engineering Adv.</u> Title <u>October 5, 2001</u> Date
		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 belief. <u>SEPTEMBER 21, 2001</u> Date Surveyed <u>GARY JONES</u> Signature & Seal of Professional Surveyor <u>W.O. No. 1926</u> Certificate No. <u>Gary Jones 7977</u>
		JLP BASIN SURVEYS

SECTION 27, TOWNSHIP 21 SOUTH, RANGE 2 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



FROM THE INTERSECTION OF STATE HWY. 176
& COUNTY RD. C-32, GO NORTHWEST 1300
FEET TO A LEASE ROAD SOUTH ON LEASE
ROAD 3.03 MILES TO A TWO TRACK ROAD TO
THE WEST AND THE BEGINNING OF PROPOSED
ROAD



DEVON ENERGY PRODUCTION CO., L.P.

REF: GRN "27" STATE COM #1 / Well Pad Topo

GRN "27" STATE COM #1 LOCATED 1330' FROM THE
NORTH LINE AND 1650' FROM THE EAST LINE OF
SECTION 27, TOWNSHIP 21 SOUTH, RANGE 34 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

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

W.O. Number: 1926

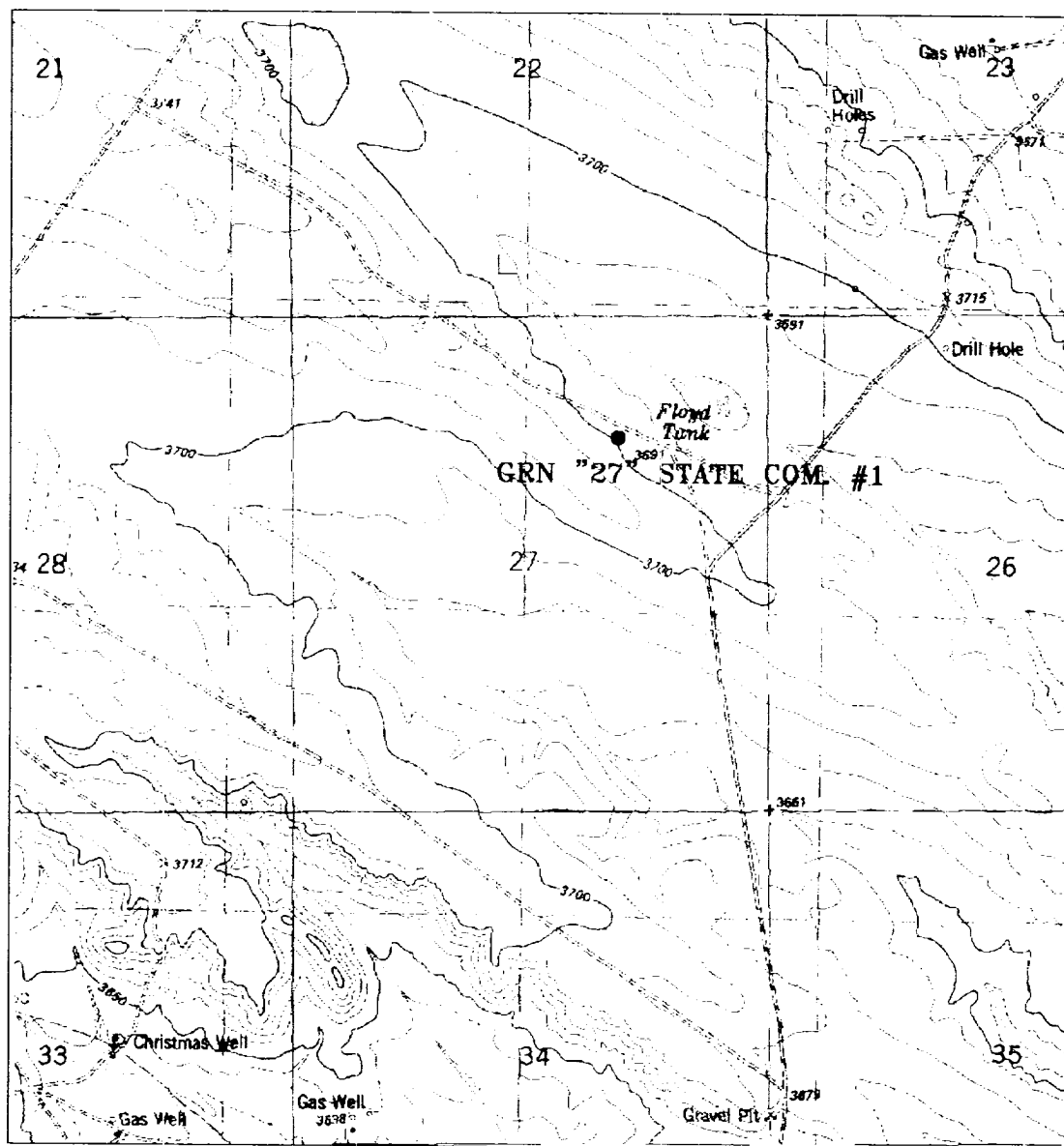
Drawn By: JAMES PRESLEY

Date: 09/24/01

Disk: JLP #1 - CON-826A

Survey Date: 09/21/00

Sheet 1 of 1 Sheets



GRN "27" STATE COM. #1
 Located at 1330' FNL and 1650' FEL
 Section 27, Township 21 South, Range 34 East,
 N.M.P.M., Lea 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

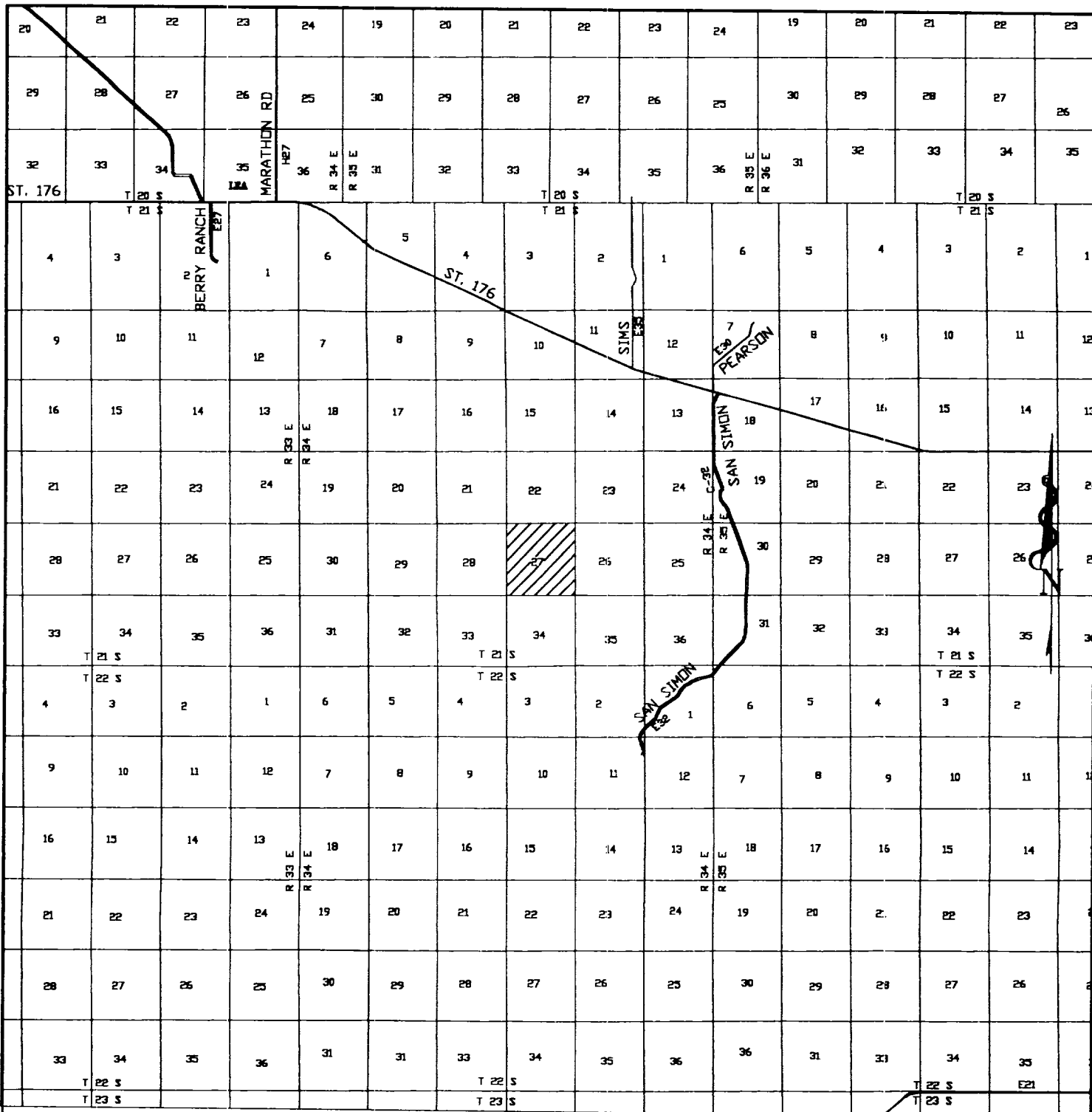
W.O. Number: 1926AA - JLP #1

Survey Date: 09/21/01

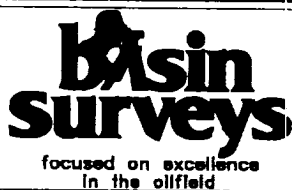
Scale: 1" = 2000'

Date: 09/24/01

DEVON ENERGY
PRODUCTION
CO. L.P.



GRN "27" STATE COM. #1
 Located at 1330' FNL and 1650' FEL
 Section 27, Township 21 South, Range 34 East,
 N.M.P.M., Lea County, New Mexico.



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

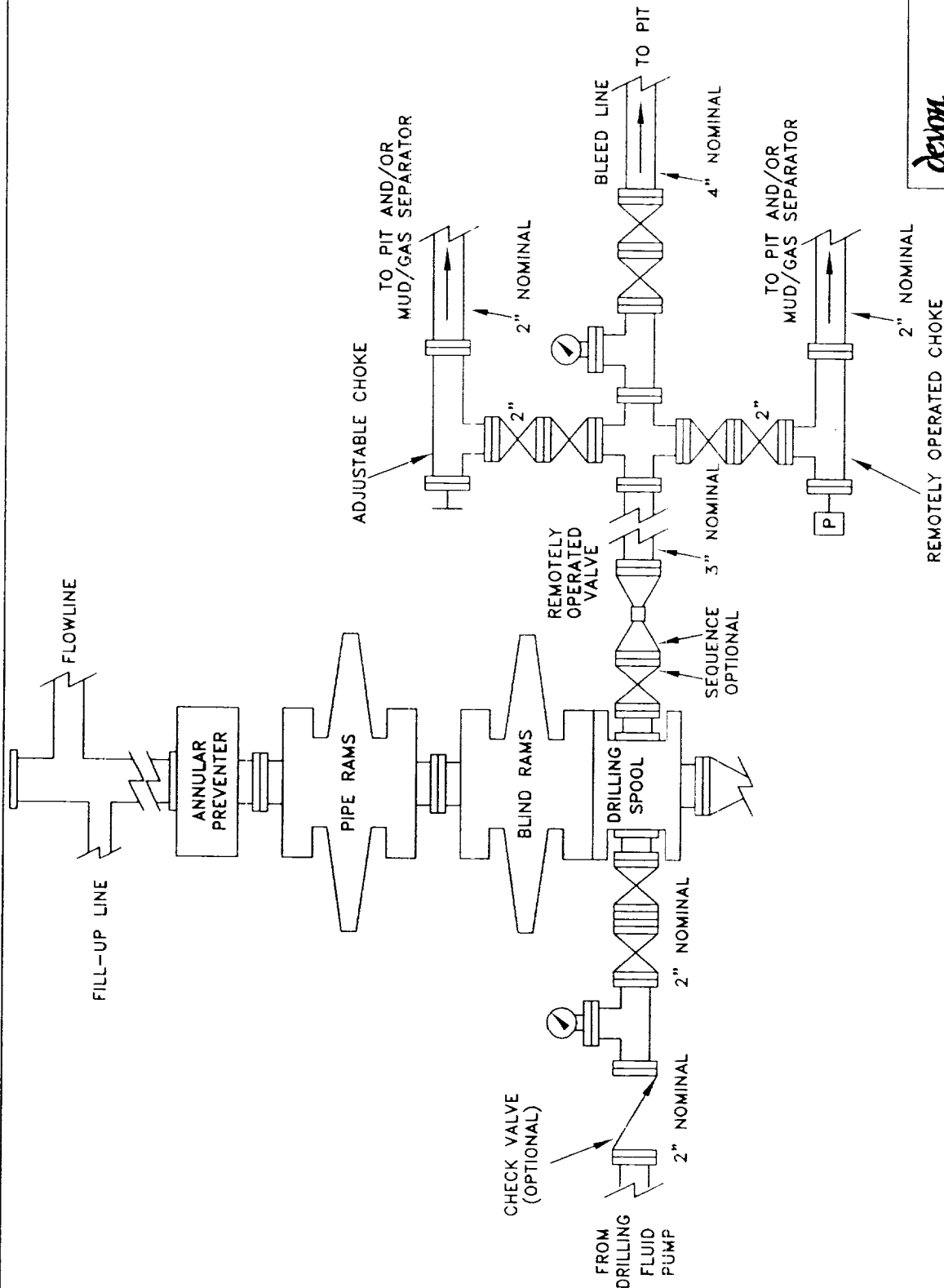
W.O. Number: 1926AA - JLP #1

Survey Date: 09/21/01

Scale: 1" = 2000'

Date: 09/24/01

DEVON ENERGY
 PRODUCTION
 CO. L.P.



AREA NAME

COUNTY, STATE

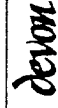
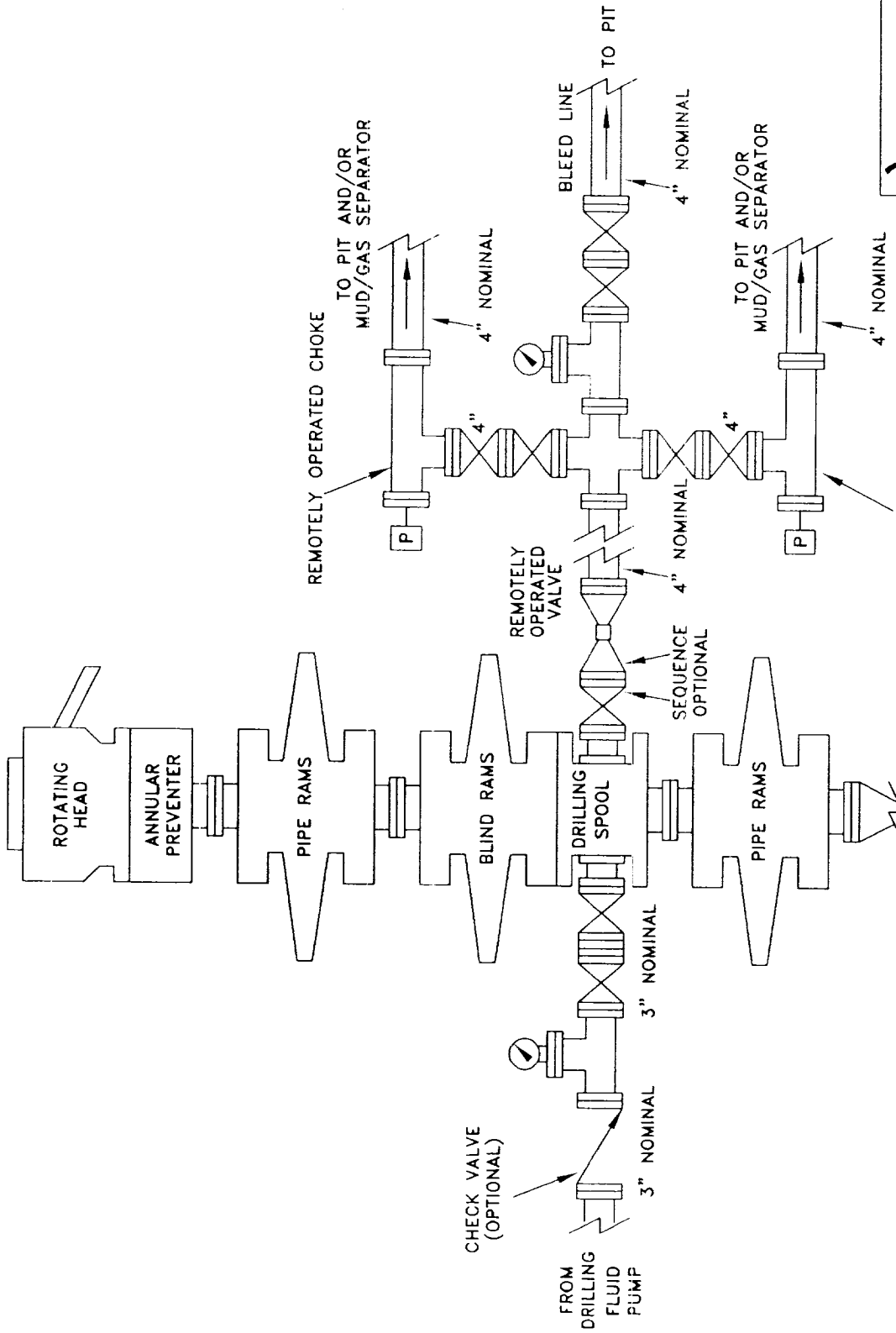
SCHEMATIC

PROPOSED 5-M BOPE AND CHOKE ARRANGEMENT

s:\...nm\plots
5mbope.dwg

SC

10/00



AREA NAME
COUNTY, STATE

SCHEMATIC
PROPOSED 10-M BOPE
AND CHOKES ARRANGEMENT

s:\nm\plots
10mbops.dwg

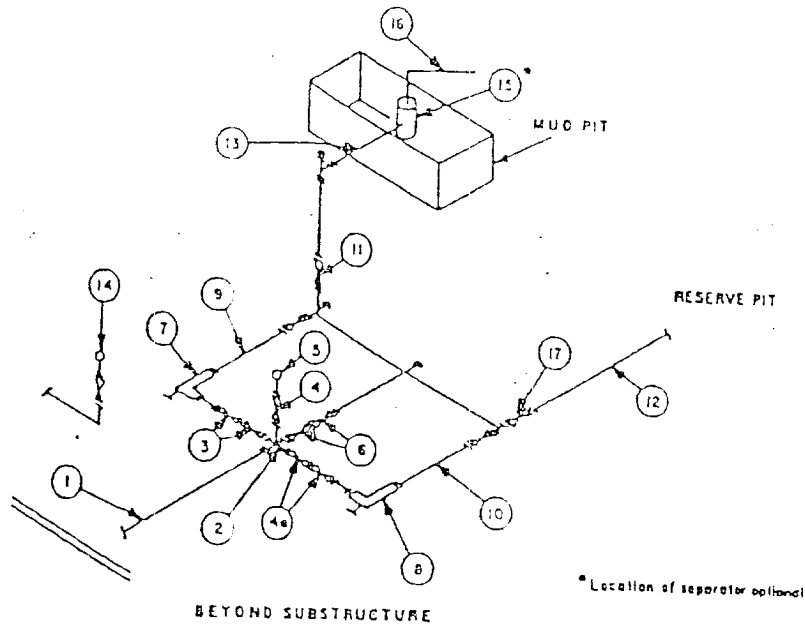
SC

10/00

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			
	Cross 3"x3"x3"x3"									
3	Valves (1) Gate ☐ Plug ☐ (2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"		10,000
4	Valve Gate ☐ Plug ☐ (2)	1-13/16"		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 ☐ Plug ☐ (2)	3-1/8"		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 ☐ Plug ☐ (2)	3-1/8"		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 ☐ Plug ☐ (2)	3-1/8"		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 butt-plugged tees.
7. Discharge lines from chokes, choke bypass and from top of gas separator should vent as far as practical from the well.