

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 30-025-35831
⁴ Property Code 29408	⁵ Property Name Keller 4 State	⁶ Well No. 1

⁷ Surface Location

UL or lot no. L	Section 4	Township 23S	Range 35E	Lot Ids	Feet from the 1980	North/South line South	Feet from the 990	East/West line West	County Lea
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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 Wildcat					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 3537'
¹⁶ Multiple No	¹⁷ Proposed Depth 14,200'	¹⁸ Formation Morrow	¹⁹ Contractor	²⁰ Spud Date 3/1/02

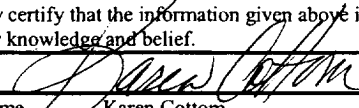
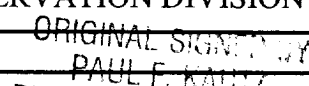
²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	54.5	1,100'	650	Surface
12 1/4"	9 5/8"	40	5,400'	1000	1000'
8 3/4"	7"	26	12,000'	500	9000'
6 1/8"	4 1/2" Liner	13.5	14,200'	250	11,700'

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 14,200' 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

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

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: Karen Cottom		Title: PETROLEUM ENGINEER	
Title: Engineer Technician		Approval Date: FEB 11 2002	
Date: February 4, 2002	Phone: 405-228-7512	Conditions of Approval: Attached <input type="checkbox"/>	

APL
B
WP

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 <u>30-025-35831</u>	Pool Code <u>✓</u>	Pool Name <u>Wildcat</u>
Property Code <u>29408</u>	Property Name <u>KELLER "4" STATE</u>	Well Number <u>1</u>
OGRID No. <u>6137</u>	Operator Name <u>DEVON ENERGY PRODUCTION CO., L.P.</u>	Elevation <u>3537'</u>

Surface Location

UL or lot No. <u>L</u>	Section <u>4</u>	Township <u>23 S</u>	Range <u>35 E</u>	Lot Idn	Feet from the <u>1980</u>	North/South line <u>SOUTH</u>	Feet from the <u>990</u>	East/West line <u>WEST</u>	County <u>LEA</u>
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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.						

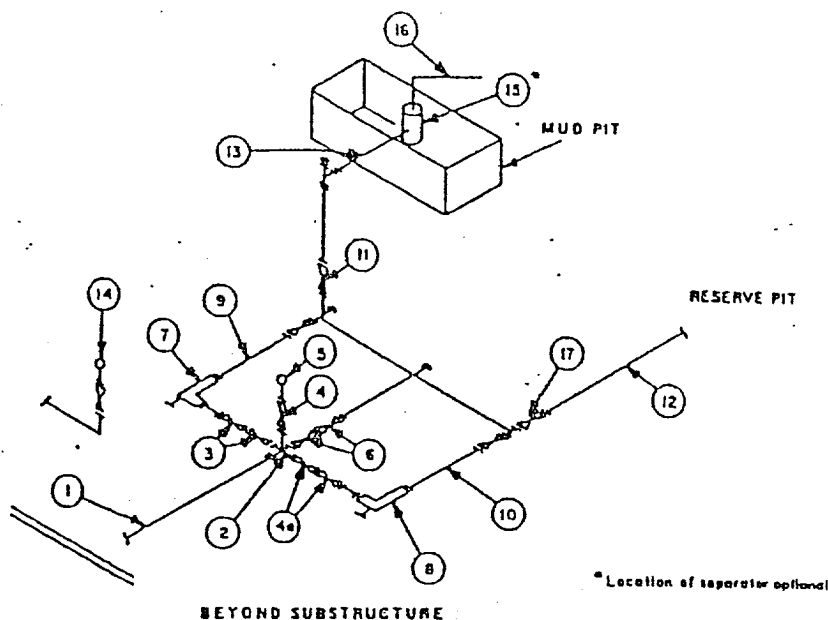
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained hereinto is true and complete to the best of my knowledge and belief.</p> <p><u>Karen Cotton</u> Signature</p> <p><u>Karen Cotton</u> Printed Name</p> <p><u>Engineering Technician</u> Title</p> <p><u>February 4, 2002</u> Date</p> <p>SURVEYOR CERTIFICATION</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><u>January 22, 2002</u> Date Surveyed</p> <p><u>W. J. JONES</u> Signature of Professional Surveyor</p> <p><u>7977</u> Professional Surveyor No.</p> <p><u>W. J. JONES</u> Certified Professional Surveyor</p> <p><u>7977</u> Professional Surveyor No.</p> <p>BASIN SURVEYS</p>
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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			
	Cross 3"x3"x3"x3"									10,000
3	Valves(1) Gate <input type="checkbox"/> Plug <input type="checkbox"/> (2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"		10,000
4	Valve Gate <input type="checkbox"/> Plug <input type="checkbox"/> (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 <input type="checkbox"/> Plug <input type="checkbox"/> (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 <input type="checkbox"/> Plug <input type="checkbox"/> (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 <input type="checkbox"/> Plug <input type="checkbox"/> (2)	3-1/8"		3,000	3-1/8"		5,000	3-1/8"		10,000

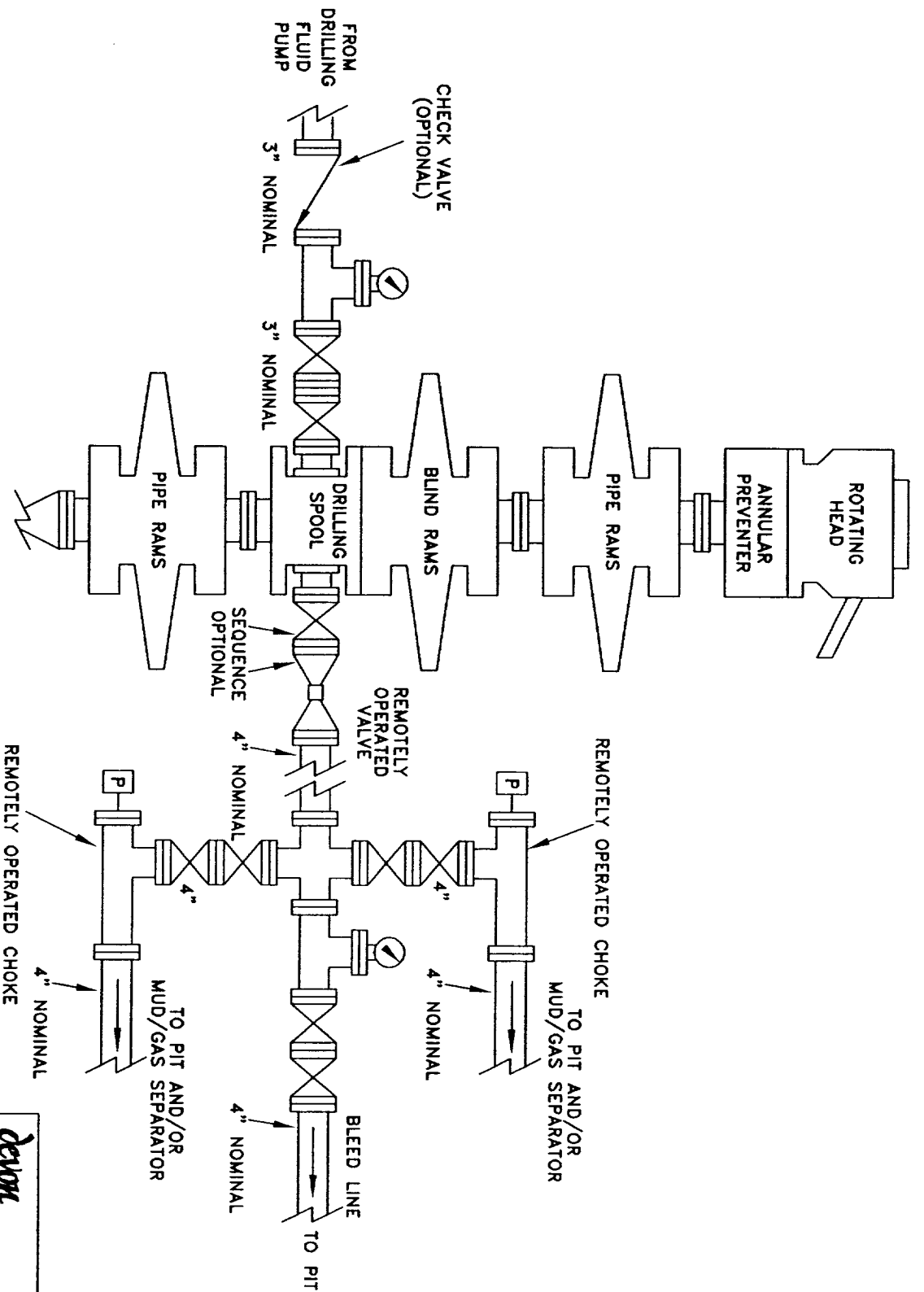
(1) Only one required in Class 3M.

(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.

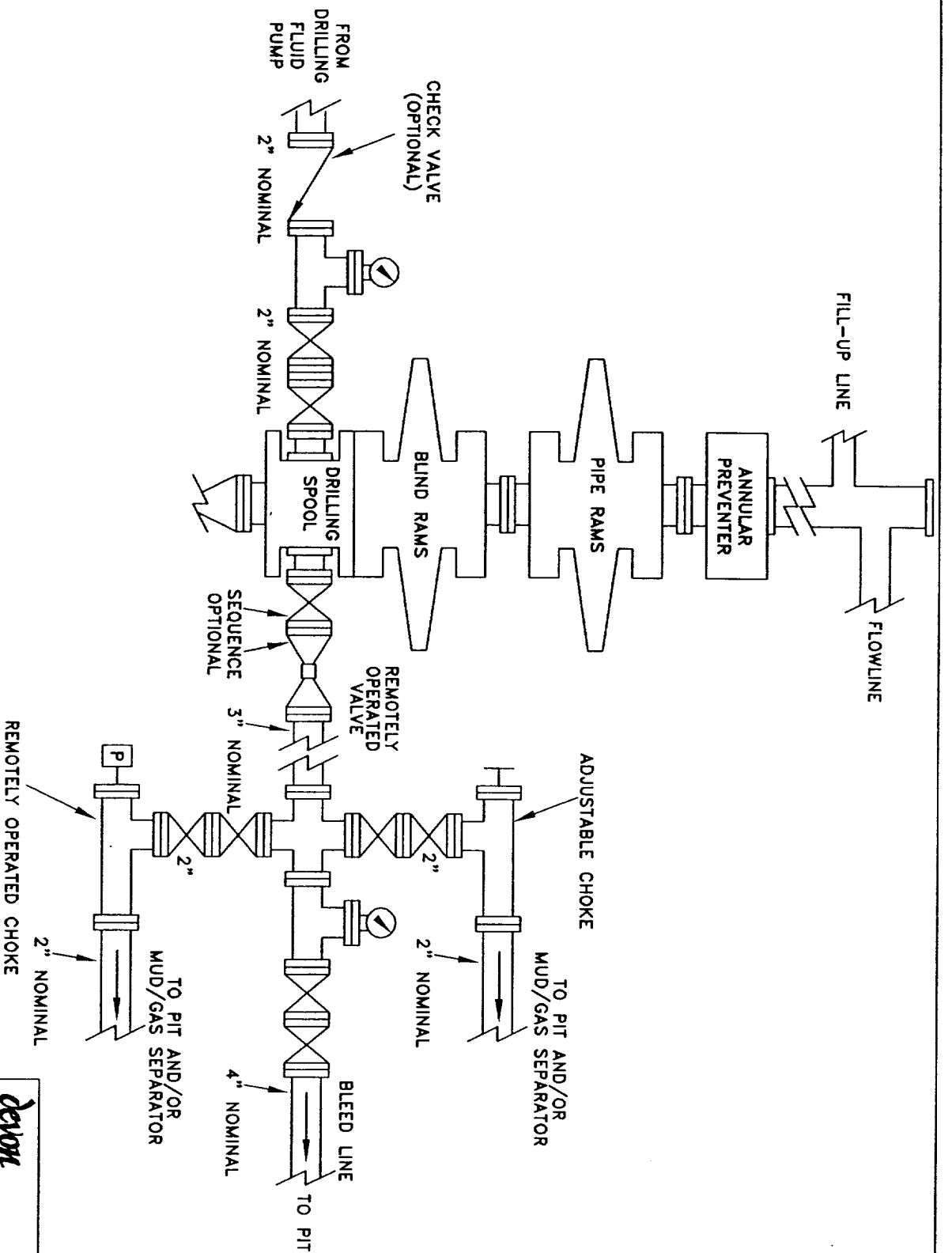
EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

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 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.



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10mbops.dwg

	
AREA NAME	
COUNTY, STATE	
SCHEMATIC PROPOSED 10-M BOPE AND CHOKE ARRANGEMENT	
SC	10/00



denon

AREA NAME

COUNTY, STATE

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

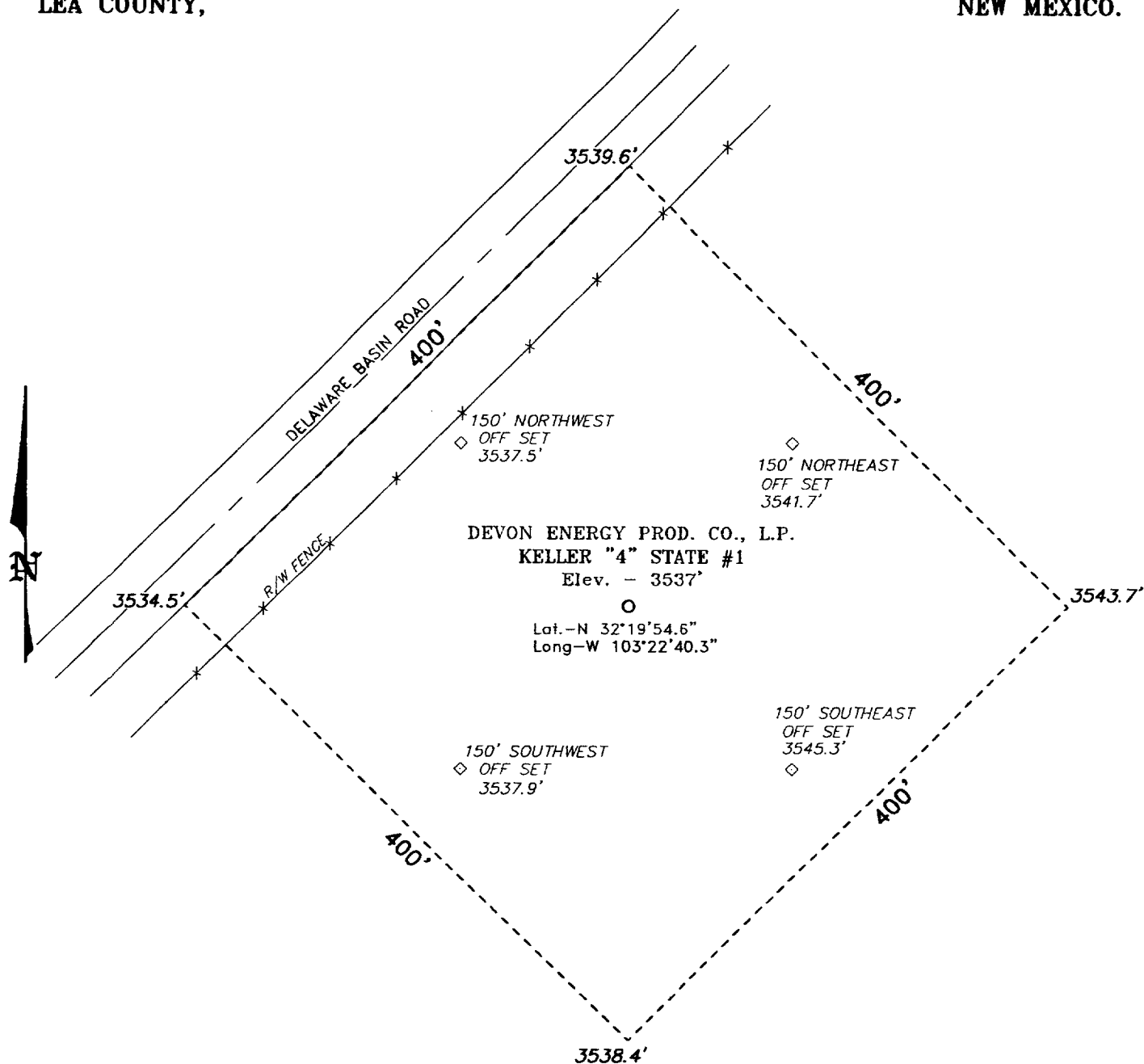
SCHEMATIC

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SC

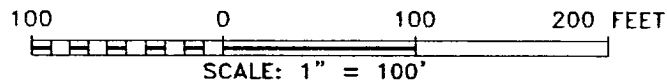
10/00

SECTION 4, TOWNSHIP 23 SOUTH, RANGE 35 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



Directions to Location:

FROM THE JUNCTION OF CO. RD. E-11 AND CO. RD.
21 (DELAWARE BASIN ROAD), WEST ON E-21 FOR
APPROX. 3.75 MILES TO A POINT ON THE
NORTHWEST EDGE OF PROPOSED PAD.



DEVON ENERGY PROD. CO., L.P.

REF: KELLER "4" STATE No. 1 / Well Pad Topo

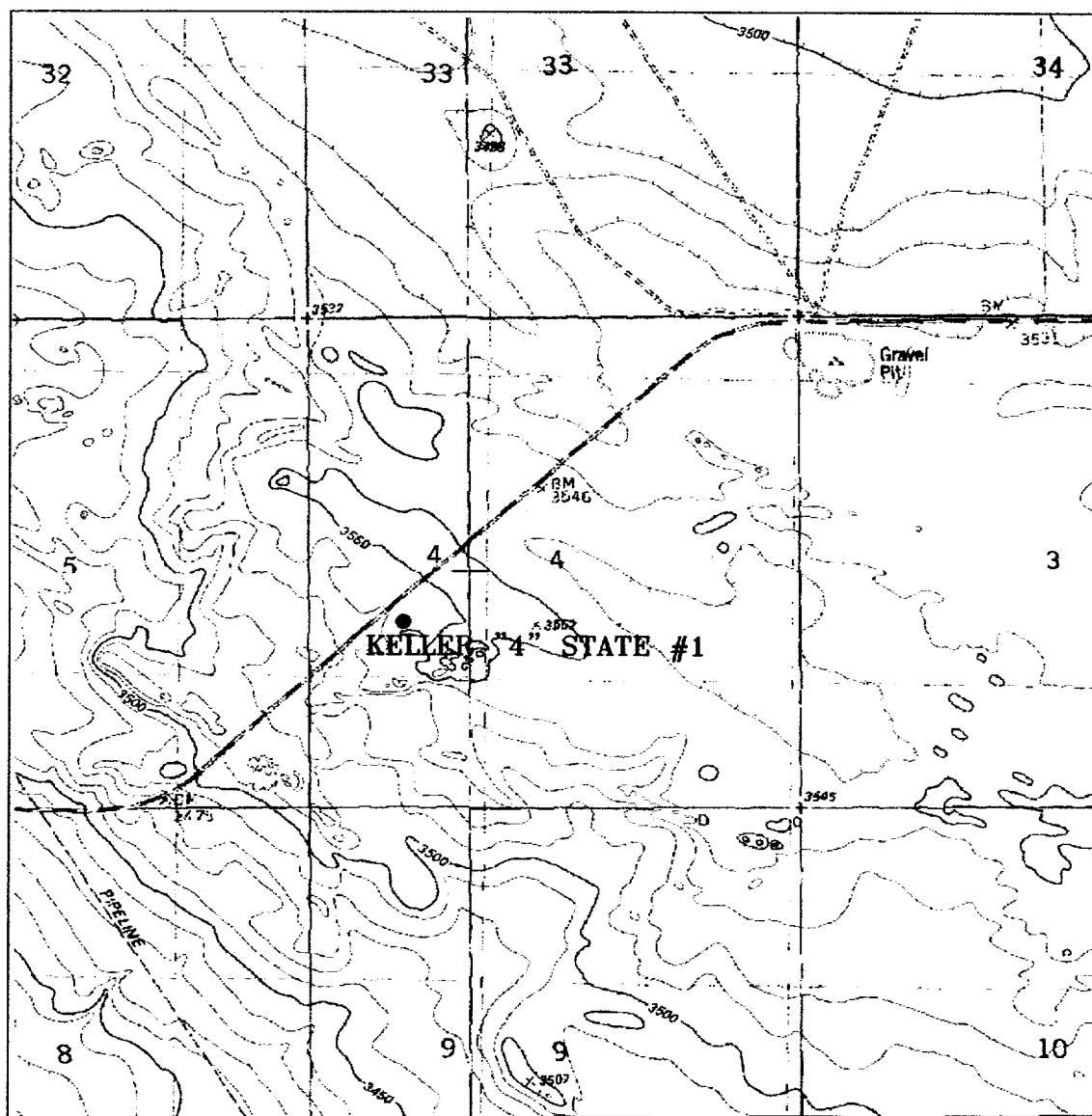
THE KELLER "4" STATE No. 1 LOCATED 1980' FROM
THE SOUTH LINE AND 990' FROM THE WEST LINE OF
SECTION 4, TOWNSHIP 23 SOUTH, RANGE 35 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

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

W.O. Number: 2207 Drawn By: K. GOAD

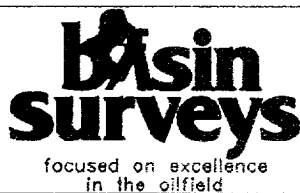
Date: 01-23-2002 Disk: KJG CD#4 - 2207A.DWG

Survey Date: 01-22-2002 Sheet 1 of 1 Sheets



KELLER "4" STATE #1

Located at 1980' FSL and 990' FWL
 Section 4, Township 23 South, Range 35 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
 basinsurveys.com

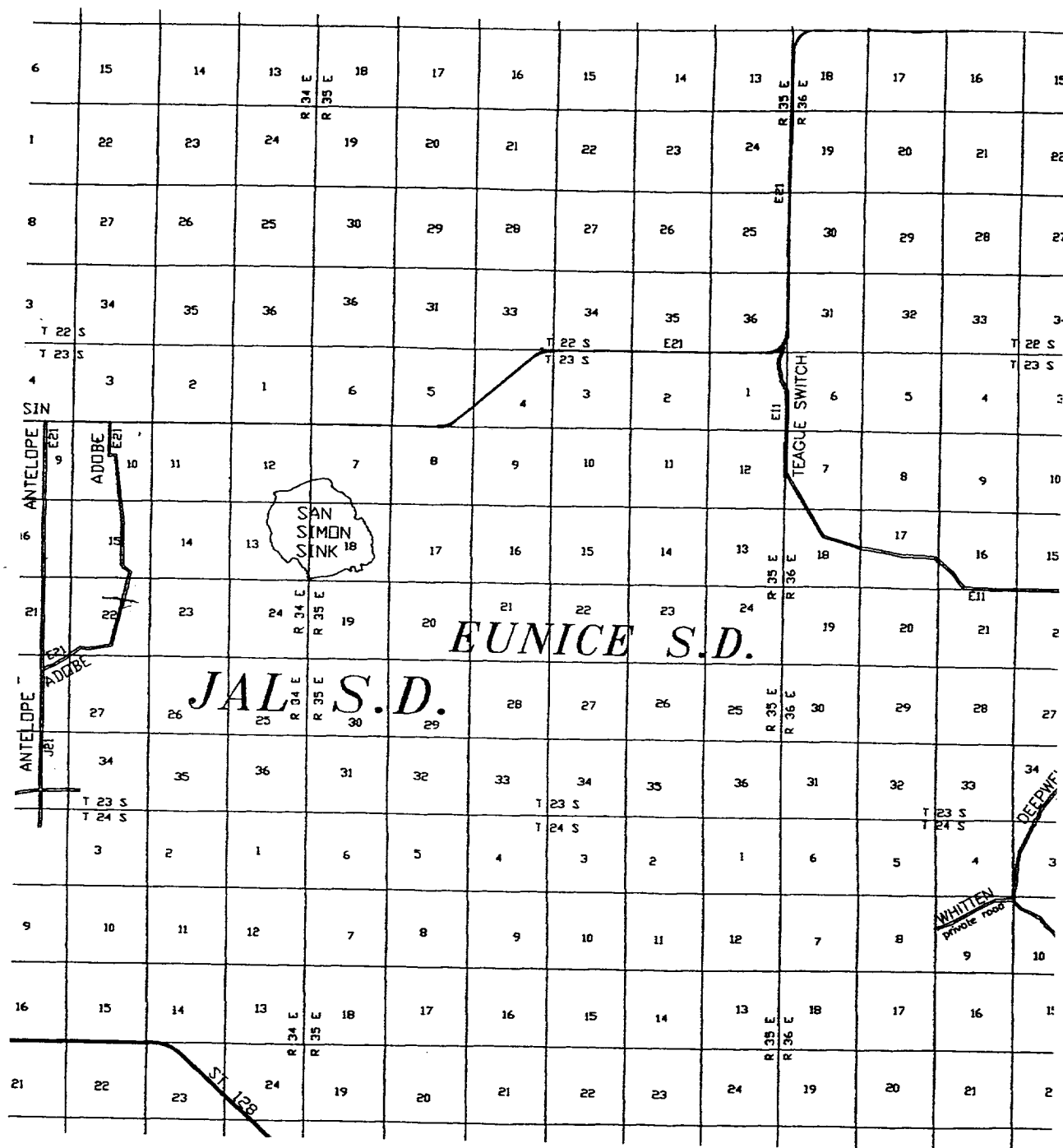
W.O. Number: 2207AA - KJG CD#4

Survey Date: 01-22-2002

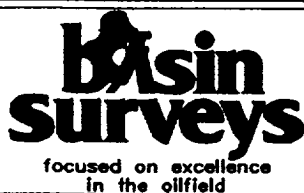
Scale: 1" = 2000'

Date: 01-23-2002

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



KELLER "4" STATE #1
 Located at 1980' FSL and 990' FWL
 Section 4, Township 23 South, Range 35 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
 basinsurveys.com

W.O. Number: 2207AA - KJG CD#4

Survey Date: 01-22-2002

Scale: 1" = 2 MILES

Date: 01-23-2002

DEVON
 ENERGY PROD.
 CO., L.P.