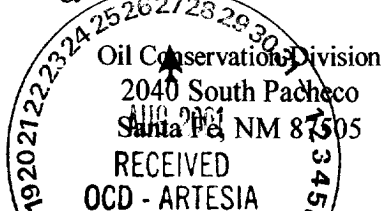


District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources



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

¹ Operator Name and Address Nadel and Gussman Permian 601 N. Marienfeld, Suite 508, Midland, Texas 79701		² OGRID Number 155615
³ Property Code 28803	⁵ Property Name Buffalo Hunt 21	⁴ API Number 30 - 005 - 63415
		⁶ Well No. 1

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	21	13-S	27-E		660'	South	1980'	East	Chaves

⁸ 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

⁹ Proposed Pool 1 Wildcat (Atoka-Morrow)	¹⁰ Proposed Pool 2 Wildcat (Upper Penn)
---	--

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S P	¹⁵ Ground Level Elevation 3474' GL
¹⁶ Multiple No	¹⁷ Proposed Depth 8,000	¹⁸ Formation Miss.	¹⁹ Contractor Patterson #55	²⁰ Spud Date ~ 9/15 / 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"	48#, H-40	300'	350	Circulated
12-1/4"	8-5/8"	24#, J-55	1,500'	1200	Circulated
7-7/8"	5-1/2"	17#, N-80	8,000'	850	~5000'

² 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.

Drill and complete well in the Atoka-Morrow at a projected TD of 8,000'. Secondary objective is the Upper Penn. A BOP schematic is attached and a 5000 psi tree will be nipped up prior to perforating. A DV tool may be used if zones above the Wolfcamp are prospective. The Morrow will be completed with thru-tubing or tubing conveyed guns. Will notify NMOCD in sufficient time to witness cementing the 13 3/8" and 8 5/8" casing and minimum WOC time will be 12 hours or as directed.

18 hours or follow Option 2, Rule 107

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

Signature:

Printed name: **Robert T. McNaughton**

Title: **Operations Engineer**

Date: **8-23-01**

Phone: **915 - 682 - 4429**

BGX OIL CONSERVATION DIVISION

Approved by: **ORIGINAL SIGNED BY TIM W. GUM**
DISTRICT II SUPERVISOR

Title:

Approval Date: **AUG 28 2001**

Expiration Date: **AUG 28 2002**

Conditions of Approval: Attached ☐

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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	Pool Name Wildcat (Atoka)
Property Code	Property Name BUFFALO HUNT 2/	Well Number 1
OGRID No. 155615	Operator Name NADEL AND GUSSMAN PERMIAN	Elevation 3474'

Surface Location

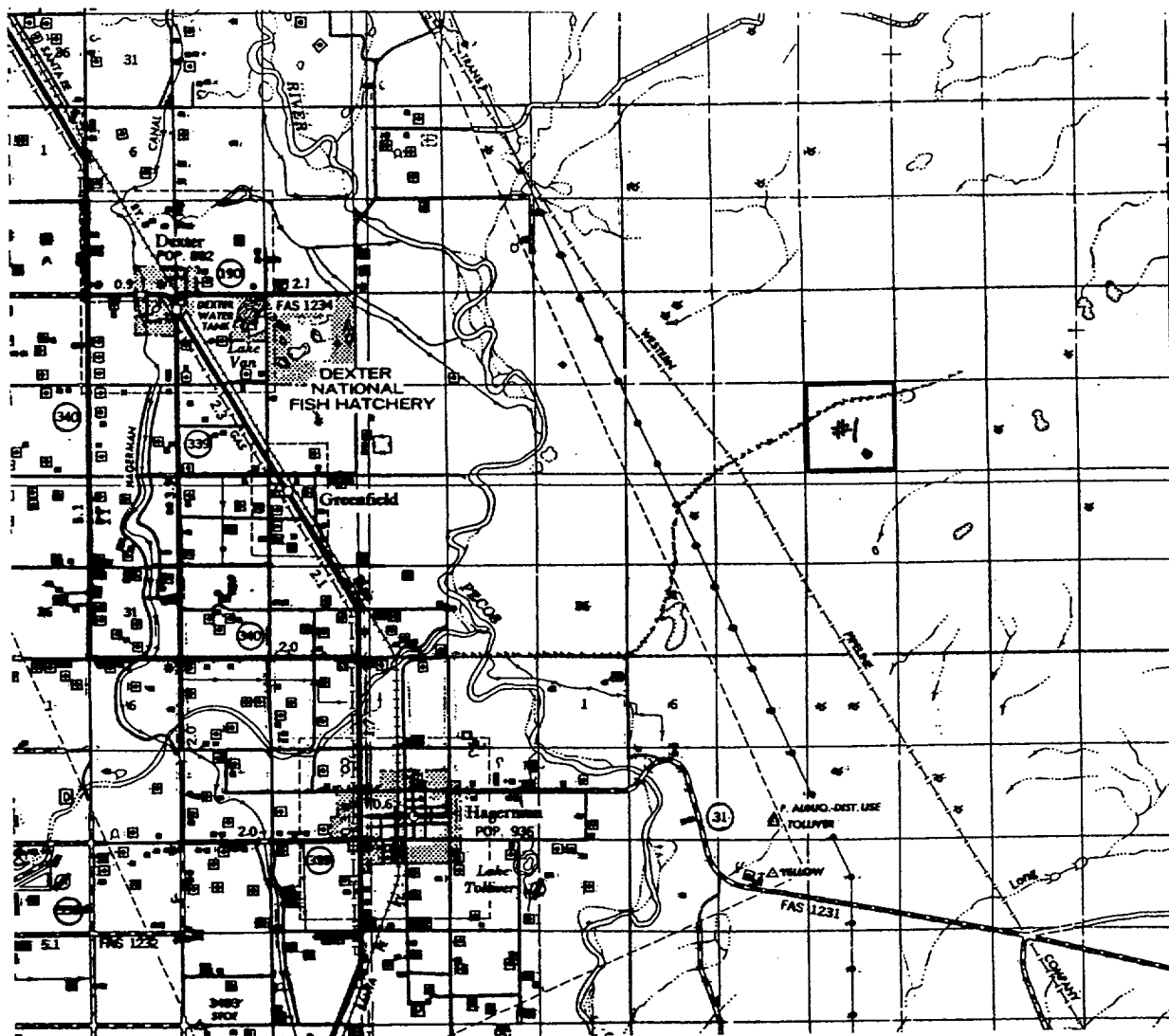
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	21	13 S	27 E		660'	SOUTH	1980'	EAST	CHAVES

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 C	Order No. pending						

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

	OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature Robert McNaughton Printed Name Operations Engineer Title 7-16-01 Date
	SURVEYOR CERTIFICATION <i>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.</i> JULY 10, 2001 Date Surveyed Signature & Seal of Professional Surveyor W.O. No. 1662 Certificate No. Gary L. Jones 7977 JLP RABIN SURVEYS



FROM HAGERMAN GO EAST ON STATE HWY. 31 APPROX. 2.5 MILES, JUST ACROSS PECOS RIVER TO QUAIL LANE THEN THENCE ON QUAIL LANE 1.5 MILES TO CATTLE GUARD, THENCE NE ON TWO TRACT 2.0 MILES TO WINDMILL THROU FENCE 2.5 MILES ON TWO TRACK ROAD TO PROPOSED CENTERLINE OF ROAD.

BUFFALO HUNT #1

Located at 660' FSL and 1980' FEL
Section 21, Township 13 South, Range 27 East,
N.M.P.M., Chaves 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

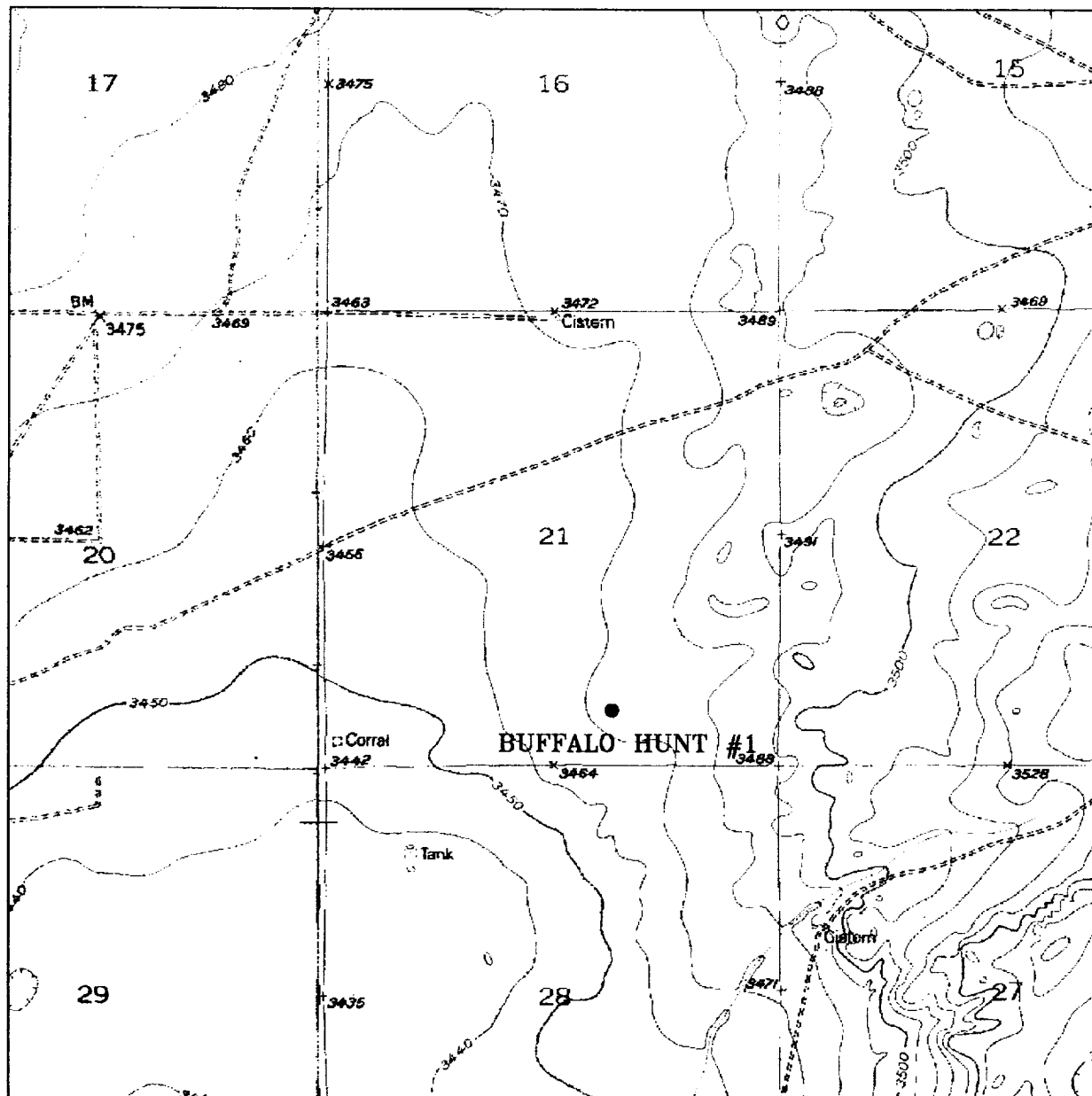
W.O. Number: 1662AA - JLP #1

Survey Date: 07/10/01

Scale: 1" = 2000'

Date: 07/12/01

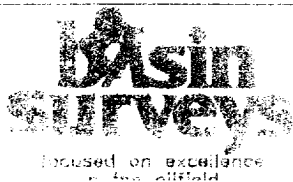
NADEL AND
GUSSMAN PERMIAN,
L.L.C.



FROM HAGERMAN GO EAST ON STATE HWY. 31 APPROX. 2.5 MILES, JUST ACROSS PECOS RIVER TO QUAIL LANE THEN THENCE ON QUAIL LANE 1.5 MILES TO CATTLE GUARD, THENCE NE ON TWO TRACT 2.0 MILES TO WINDMILL THRU FENCE 2.5 MILES ON TWO TRACK ROAD TO PROPOSED CENTERLINE OF ROAD.

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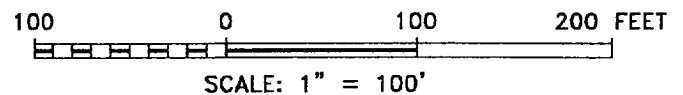
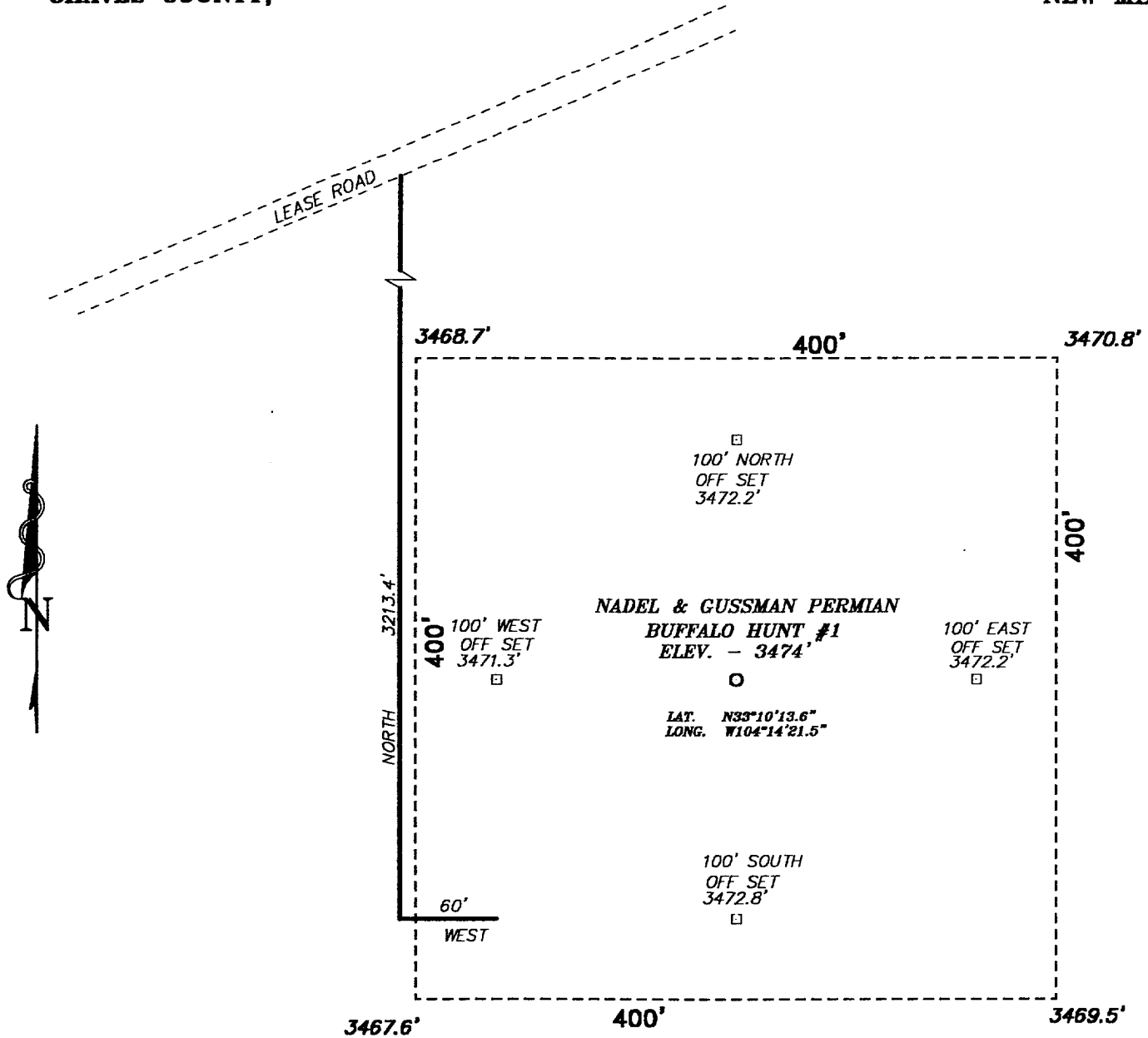
Survey Date: 07/10/01

Scale: 1" = 2000'

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**NADEL AND
GUSSMAN PERMIAN,
L.L.C.**

SECTION 21, TOWNSHIP 13 SOUTH, RANGE 27 EAST, N.M.P.M.,
CHAVES COUNTY, NEW MEXICO.



NADEL & GUSSMAN PERMIAN

REF: BUFF HUNT #1 / Well Pad Topo

THE BUFFALO HUNT #1 LOCATED 660' FROM THE
SOUTH LINE AND 1980' FROM THE EAST LINE OF
SECTION 21, TOWNSHIP 13 SOUTH, RANGE 27 EAST,
N.M.P.M., CHAVES COUNTY, NEW MEXICO.

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

W.O. Number: 1662

Drawn By: **JAMES PRESLEY**

Date: 07/12/01 Disk: JLP #1 - 1662A

Survey Date: 07/10/01

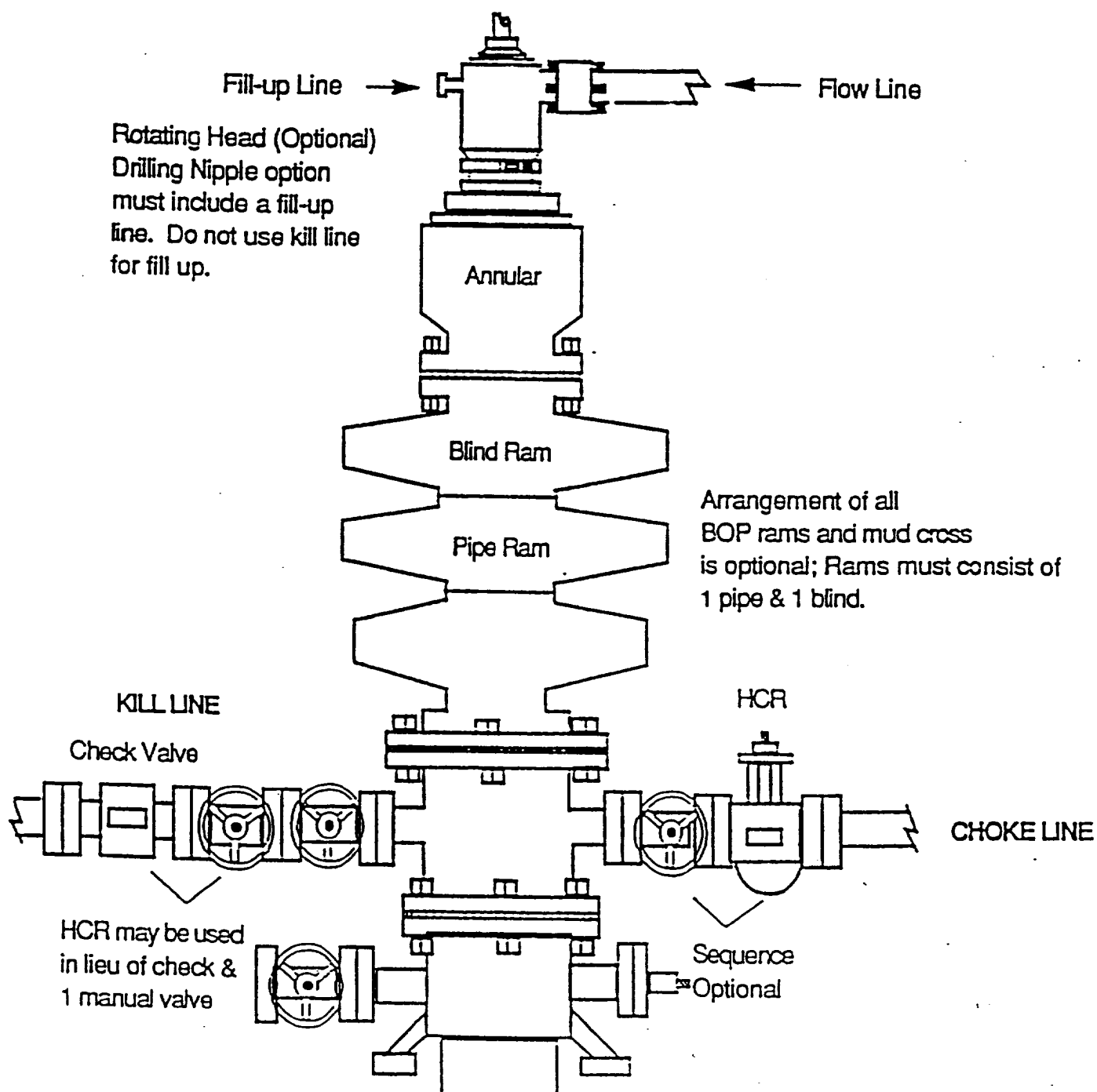
Sheet 1 of 1 Sheets

NADEL AND GUSSMAN PERMIAN, L.L.C.

Buffalo Hunt 21 No. 1

660' FSL, 1980' FEL, Sec 21, T-13-S, R-27-E

Chaves County, NM



NADEL AND GUSSMAN PERMIAN, L.L.C.

Buffalo Hunt 21 No. 1

660' FSL, 1980' FEL, Sec 21, T-13-S, R-27-E

Chaves County, NM

