

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101

May 27, 2004

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Lynx Operating Co., Inc., 505 N. Big Spring St, Ste 604, Midland, TX 79701		² OGRID Number 175071
³ Property Code 35314	⁴ Property Name Peterson	⁵ API Number 30 - 041-20919
⁹ Proposed Pool <u>2</u> Peterson; Penn (Assoc) 50370		¹⁰ Proposed Pool <u>1</u> Peterson; Fusselman 50356

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
H	19	5-S	33-E		2000	North	660	East	Roosevelt

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
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Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4420'
¹⁶ Multiple N	¹⁷ Proposed Depth 8000'	¹⁸ Formation Penn	¹⁹ Contractor United Drilling, Inc.	²⁰ Spud Date 1/07/06
Depth to Groundwater 130 ft		Distance from nearest fresh water well 1000 ft		Distance from nearest surface water 1850 ft.
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 3/4" mils thick Clay <input type="checkbox"/> Pit Volume: 5000 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24	2050'	985	Surface
7-7/8"	5-1/2"	15.5 & 17	8000'	720	3000'

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.

1. Set 16' conductor at 35'.

2. Drill 12-1/4" hole to 2050'. Run 8-5/8" casing to 2050'. Cement with 785 sx Class "C" 35:65:6 Poz 15.6#/gal 18 cu.ft./sk) + 200 sx Class "C" + 2% CaCl₂. Cement to surface.

3. Drill 7-7/8" hole to 8000'. Log & DST. Run 5-1/2" casing to 8000'. Cement with 420 sx 35:65 Class "H" Poz 12.5#/gal, 1.9 cu.ft./sk) + 300 sx Class "H" (15.6#/gal, 1.1 cu.ft./sk).

Blow out preventors to be 3000 psi W.P. double ram (pipe & blind) with kill line and choke manifold

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Jerry M. Jordan

Title: VP - Operations

E-mail Address: jerry@lynxco.biz

Date: 12/21/05

Phone: (432) 687-0084

OIL CONSERVATION DIVISION

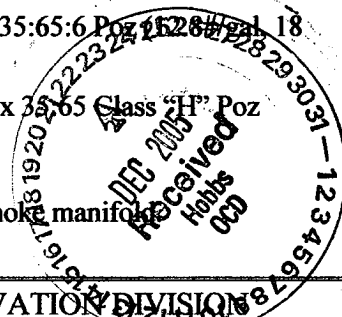
Approved by:

Title:

Approval Date:

Expiration Date:

"CONDITION FOR APPROVAL" Approval for Drilling, CANNOT Produce well in the Peterson Penn Assoc without Non-Standard Proration order approved by the Santa Fe OCD Office



State of New Mexico

Energy, Minerals and Natural Resources Department

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DISTRICT II

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DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-044-209R	Pool Code 50356	Pool Name Peterson; Fusselman
Property Code 35314	Property Name PETERSON	Well Number 1
OGRID No. 175071	Operator Name LYNX OPERATING COMPANY, INC.	Elevation 4420'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	19	5-S	33-E		2000	NORTH	660	EAST	ROOSEVELT

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 40	Joint or Infill N	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

LOT 1									
39.76 AC	LOT 2								
39.75 AC	LOT 3								
39.74 AC	LOT 4								
39.73 AC									

2000'

660'

GEODETIC COORDINATES
NAD 27 NME

Y=1041094.1 N
X=749428.0 E

LAT.=33°51'32.86" N
LONG.=103°30'42.18" W

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Jerry M. Jordan
Signature

Jerry M. Jordan
Printed Name

VP - Operations
Title

12/23/2005
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.

DECEMBER 10, 2005

Date Surveyed **LA**

Signature & Seal of Professional Surveyor
Gary Eubson
12/29/05

Certificate No. **GARY EUBSON** 12641

LOT 1					
39.76 AC LOT 2					
39.75 AC LOT 3					
39.74 AC LOT 4					
39.73 AC					

GEODETIC COORDINATES
NAD 27 NME

Y=1041094.1 N
X=749428.0 E

LAT.=33°51'32.86" N
LONG.=103°30'42.18" W

2000'

660'

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Jerry M. Jordan
Signature

Jerry M. Jordan
Printed Name

Vice President - Production
Title

12/21/2005
Date

SURVEYOR CERTIFICATION

I hereby certify that the land 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.

DECEMBER 10, 2005

Date Surveyed

G. Edson
Signature & Seal of
Professional Surveyor

NEW MEXICO
GARY H. EDSON
12/14/05
05.11.1935

Certificate No. GARY-EDSON 12841

WELLHEAD BLOWOUT CONTROL SYSTEM

Worksheet supplement for "Application for Permit to Drill or Deepen a Well"

Location: 2000' FNL & 660' FEL
Unit H, Section 19, T-5-S, R- 33-E
Roosevelt Co, NM

Applicant **LYNX Operating Co., Inc**
505 N. Big Spring St, Suite 604
Midland, Texas 79701

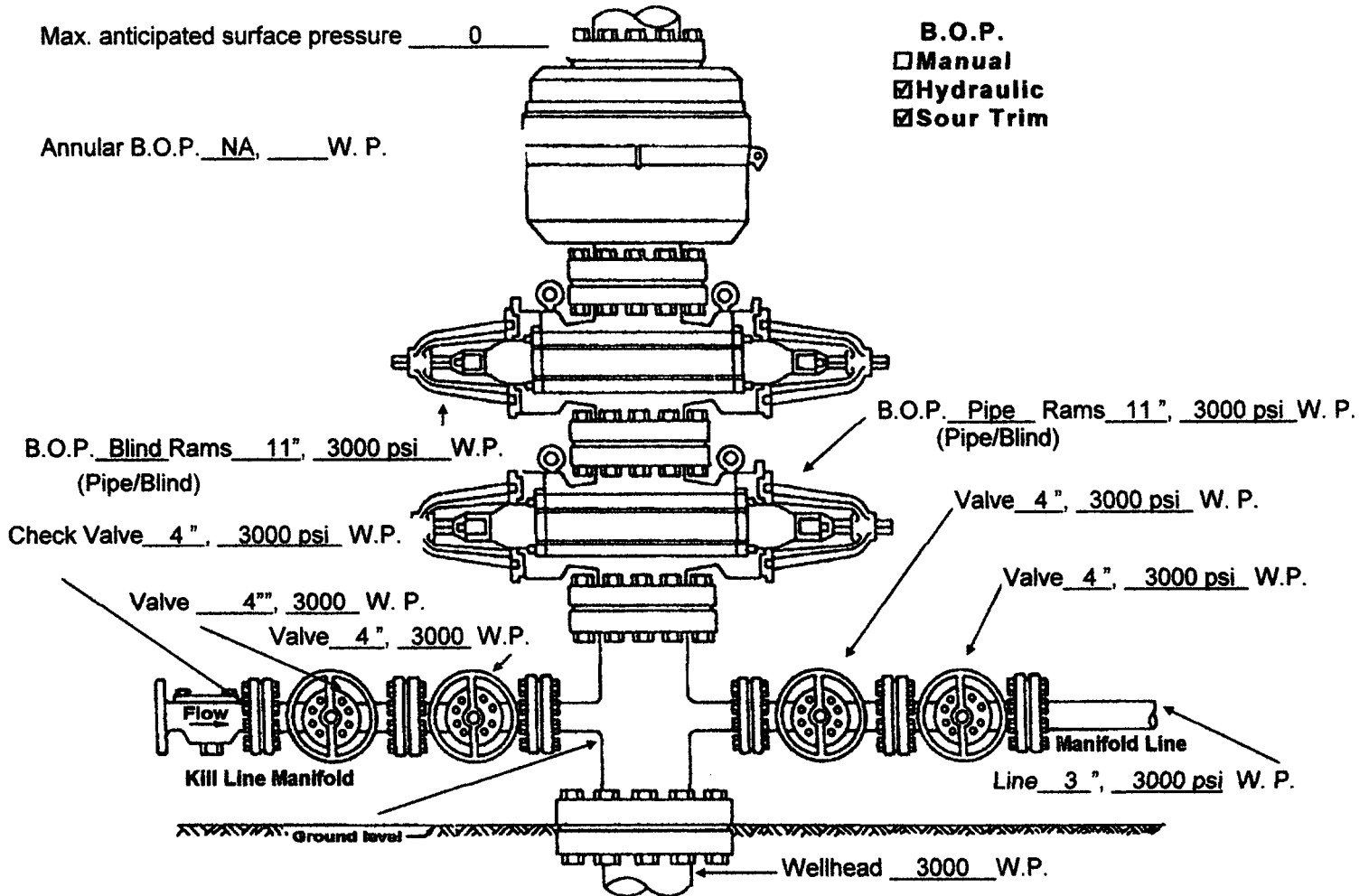
Well name and number

Peterson No. 1

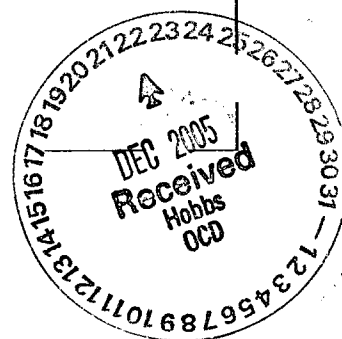
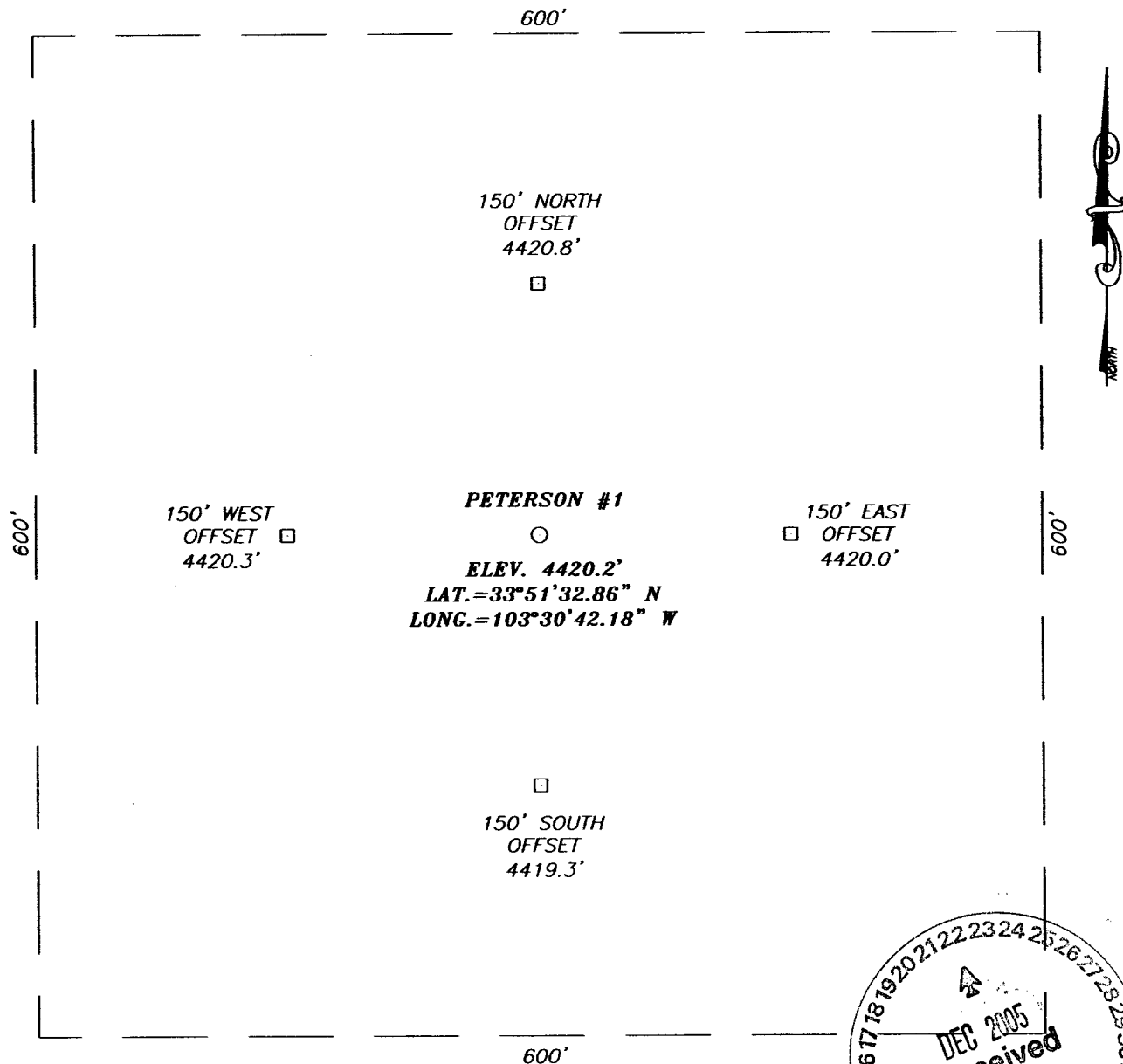
Max. anticipated surface pressure 0

Annular B.O.P. NA, W. P.

B.O.P.
☐ Manual
☒ Hydraulic
☒ Sour Trim

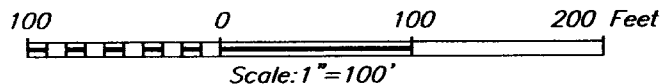


SECTION 19, TOWNSHIP 5 SOUTH, RANGE 33 EAST, N.M.P.M.,
ROOSEVELT COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ST. HWY. #114 AND
 CO. RD. AC GO SOUTH ON CO. RD. AC FOR
 APPROX. 5.4 MILES. THIS LOCATION IS APPROX.
 600 FEET WEST.

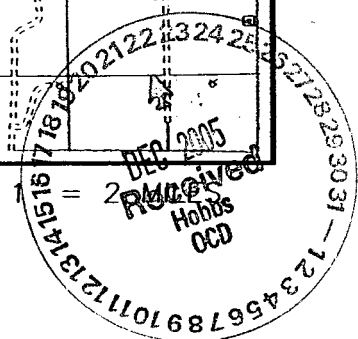


PROVIDING SURVEYING SERVICES
 SINCE 1948
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 383-3117


LYNX OPERATING COMPANY, INC.

PETERSON #1 WELL
 LOCATED 2000 FEET FROM THE NORTH LINE
 AND 660 FEET FROM THE EAST LINE OF SECTION 19,
 TOWNSHIP 5 SOUTH, RANGE 33 EAST, N.M.P.M.,
 ROOSEVELT COUNTY, NEW MEXICO.

Survey Date: 12/05/05		Sheet 1 of 1 Sheets	
W.O. Number: 05.11.1935		Dr By: LA	Rev 1:N/A
Date: 12/15/05	Disk: CD#4	05111935	Scale: 1"=100'

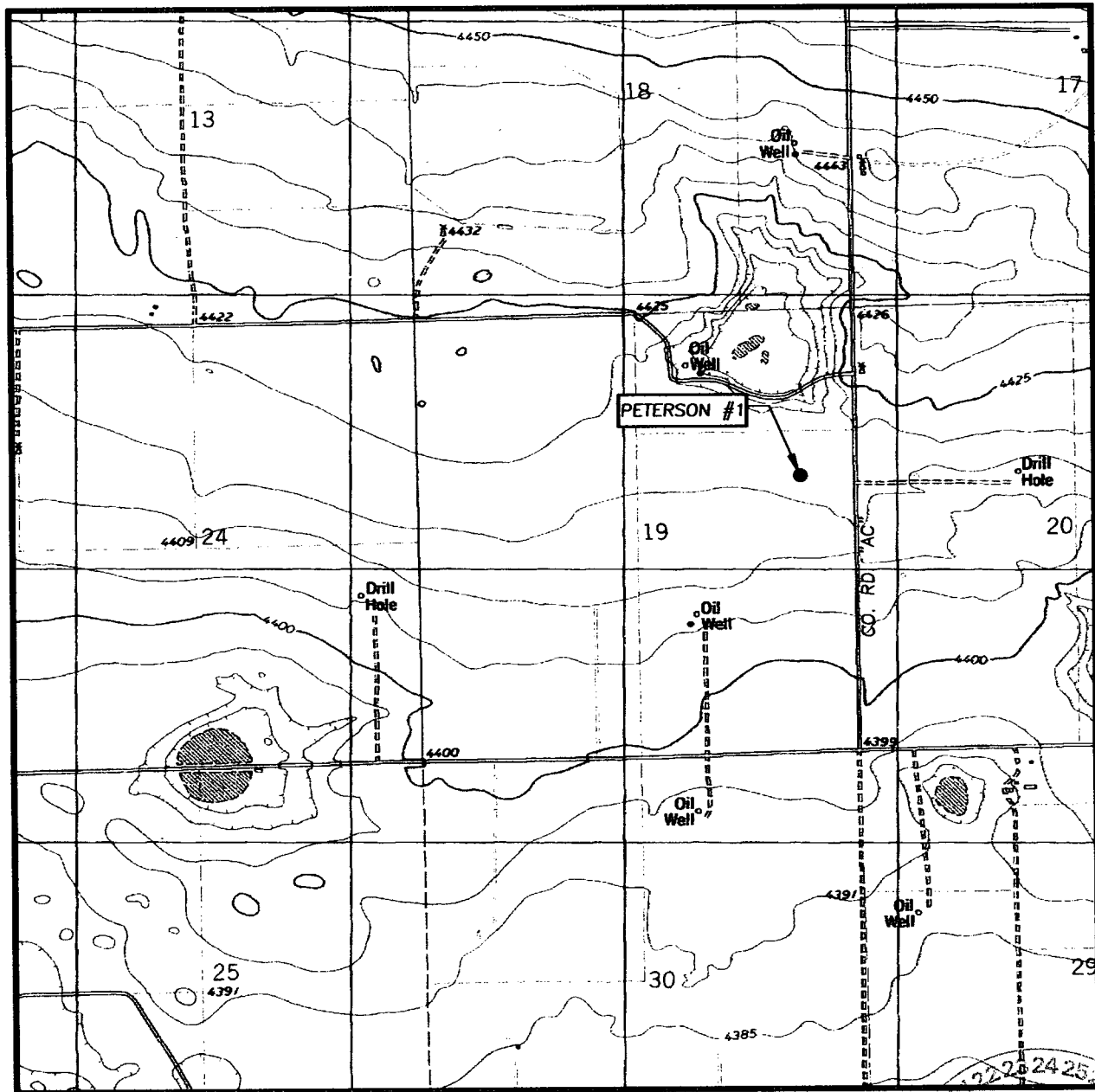


14151677
1 = 2
Received
Hobbs
OCD



**PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117**

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL 5'
ELIDA SE, N.M.

SEC. 19 TWP. 5-S RGE. 33-E

SURVEY N.M.P.M.

COUNTY ROOSEVELT

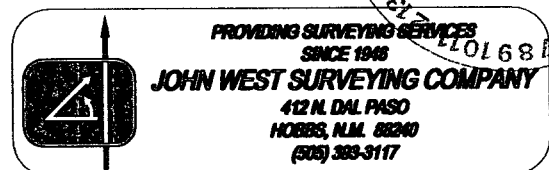
DESCRIPTION 2000' FNL & 660' FEL

ELEVATION 4420'

OPERATOR LYNX OPERATING COMPANY, INC.

LEASE PETERSON

U.S.G.S. TOPOGRAPHIC MAP
ELIDA SE, N.M.



PROVIDING SURVEYING SERVICES
SINCE 1948

JOHN WEST SURVEYING COMPANY

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