

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 Range Operating New Mexico, Inc.		² OGRID Number 227588
		³ API Number 30 - 025-37163
⁴ Property Code 301549	⁵ Property Name Grizzell	⁶ Well No. 5
⁹ Proposed Pool 1 Wantz-Abo (62700)		¹⁰ Proposed Pool 2

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
J	5	22S	37E		2310	South	1740	East	Lea

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

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 3433
¹⁶ Multiple	¹⁷ Proposed Depth	¹⁸ Formation	¹⁹ Contractor	²⁰ Spud Date
Depth to Groundwater 75'		Distance from nearest fresh water well 200'		Distance from nearest surface water 1000'
Pit: Liner: Synthetic ☒ 20 mils thick Clay ☐ Pit Volume: 6200 bbls Drilling Method: Fresh Water ☒ Brine ☒ Diesel/Oil-based ☐ Gas/Air ☐				
Closed-Loop System ☐				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11	8 5/8	24	1116	700	0
7 7/8	5 1/2	17	7500	650	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. Drill 11" hole to depth of 1116'.
2. Set 8 5/8" casing, cmt to surface.
3. Test csg & BOPs to 1500 psi prior to drilling out shoe joint. (Proposed BOP will be Schaffer - Double Ram type, 3000 wrkg press, 3000 tst press.)
4. Drill 7 7/8" hole to depth of 7500'. Log & evaluate.
5. If productive, run 5 1/2 csg to 7500' & cmt same to 916'. NO H2S EXPECTED.

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. 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: Paula Hale

Title: Sr. Reg. Sp.

E-mail Address: phale@rangeresources.com

Date: 9/20/05

Phone:

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

PETROLEUM ENGINEER

Conditions of Approval Attached ☐

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I

1625 N. FRENCH DR., HOHES, NM 88240

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Artec, 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 30-025-37163	Pool Code 62700	Pool Name Wantz-Abo
Property Code 301549	Property Name GRIZZLE	Well Number 5
OGRID No. 227588	Operator Name Range Operating New Mexico, Inc.	Elevation 3433'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	5	22-S	37-E		2310'	SOUTH	1740'	EAST	LEA

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	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

LOT 4 40.28 AC	LOT 3 40.19 AC	LOT 2 40.09 AC	LOT 1 39.99 AC
GEODETIC COORDINATES NAD 27 NME Y=518370.6 N X=855357.4 E LAT.=32°25'11.46" N LONG.=103°10'54.32 W			

OPERATOR CERTIFICATION

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

Paula Hale
Signature

Paula Hale
Printed Name

Sr. Reg. Sp.
Title

9/20/05
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.

FEBRUARY 15, 2005

Date Surveyed

Signature & Seal of Professional Surveyor

GARY EIDSON
05.11.0204

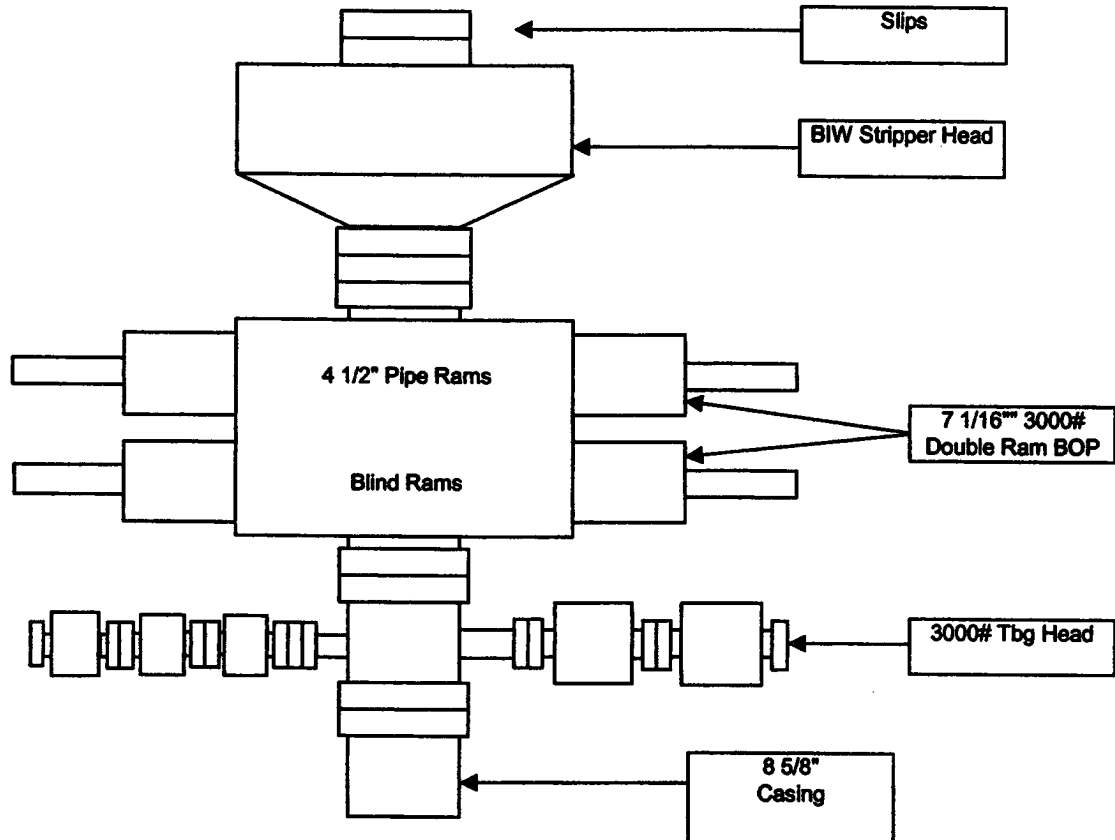
Certificate No. GARY EIDSON 12641

RANGE OPERATING NEW MEXICO, INC.

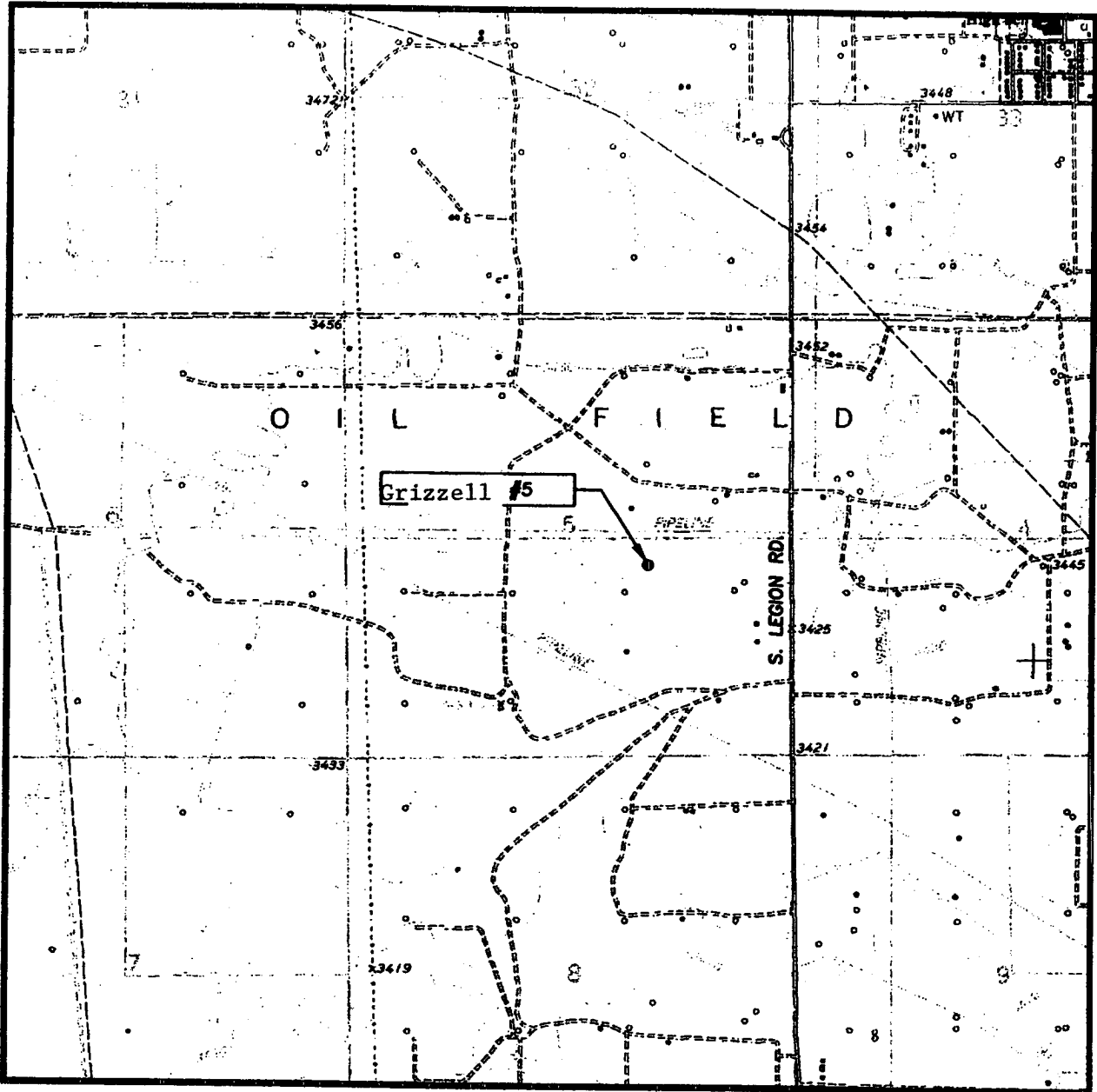
Grizzell #5

BOP Diagram

3000 psi WP



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
EUNICE, N.M. - 10'

SEC. 5 TWP. 22-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2310' FSL & 1740' FEL

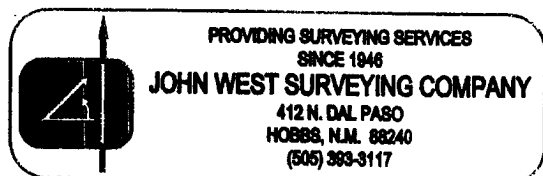
ELEVATION 3433'

OPERATOR Range Operating New Mexico, Inc.

LEASE Grizzell #5

U.S.G.S. TOPOGRAPHIC MAP

EUNICE, N.M.



PROVIDING SURVEYING SERVICES
SINCE 1946

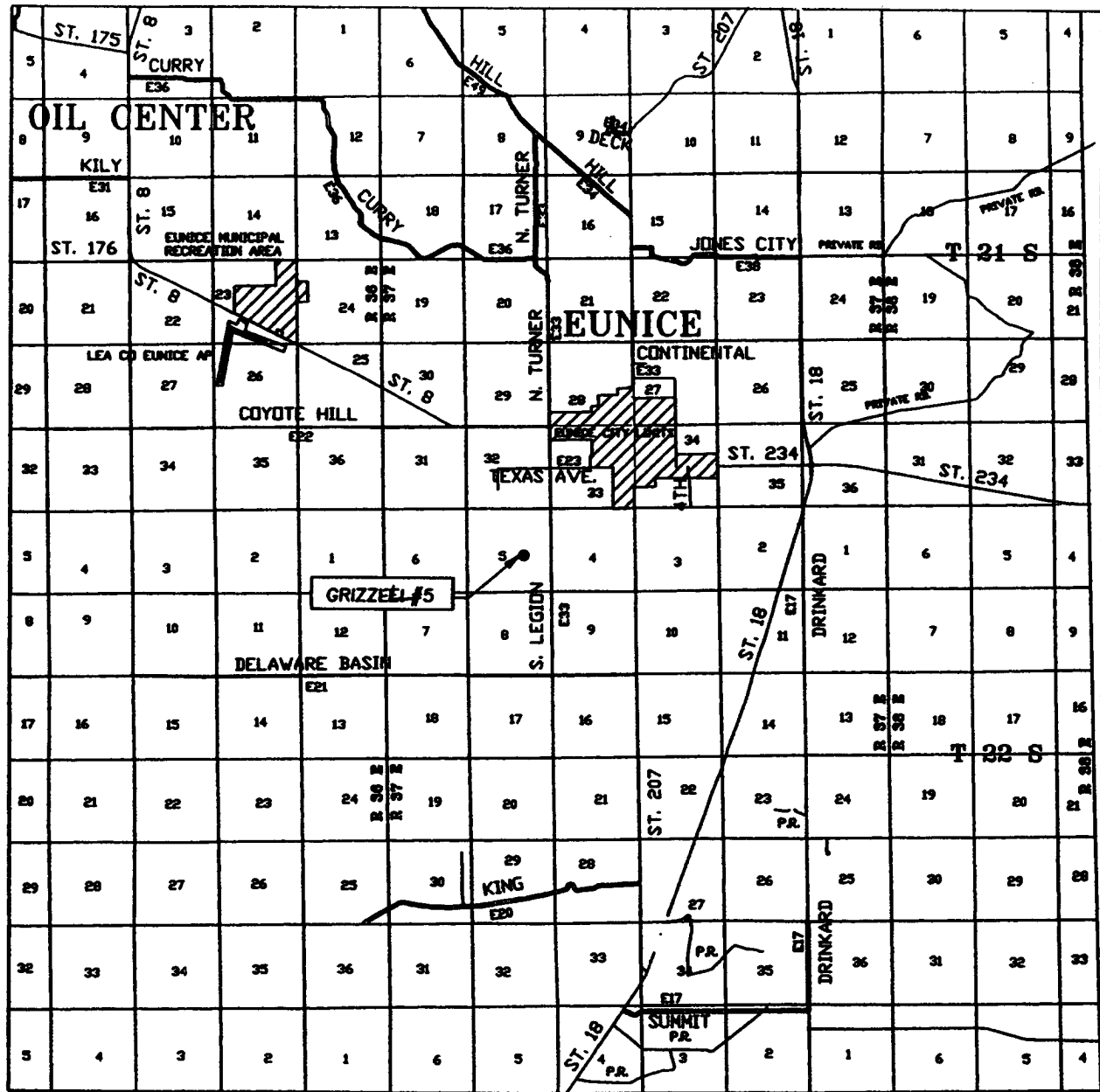
JOHN WEST SURVEYING COMPANY

412 N. DAL PASO

HOBBS, N.M. 88240

(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 5 TWP. 22-S RGE. 37-E

SURVEY N.M.P.M.

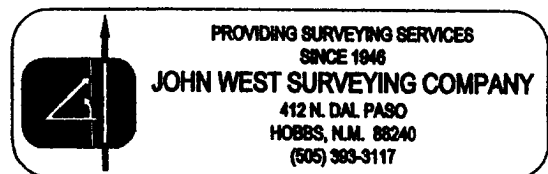
COUNTY LEA

DESCRIPTION 2310' FSL & 1740' FEL

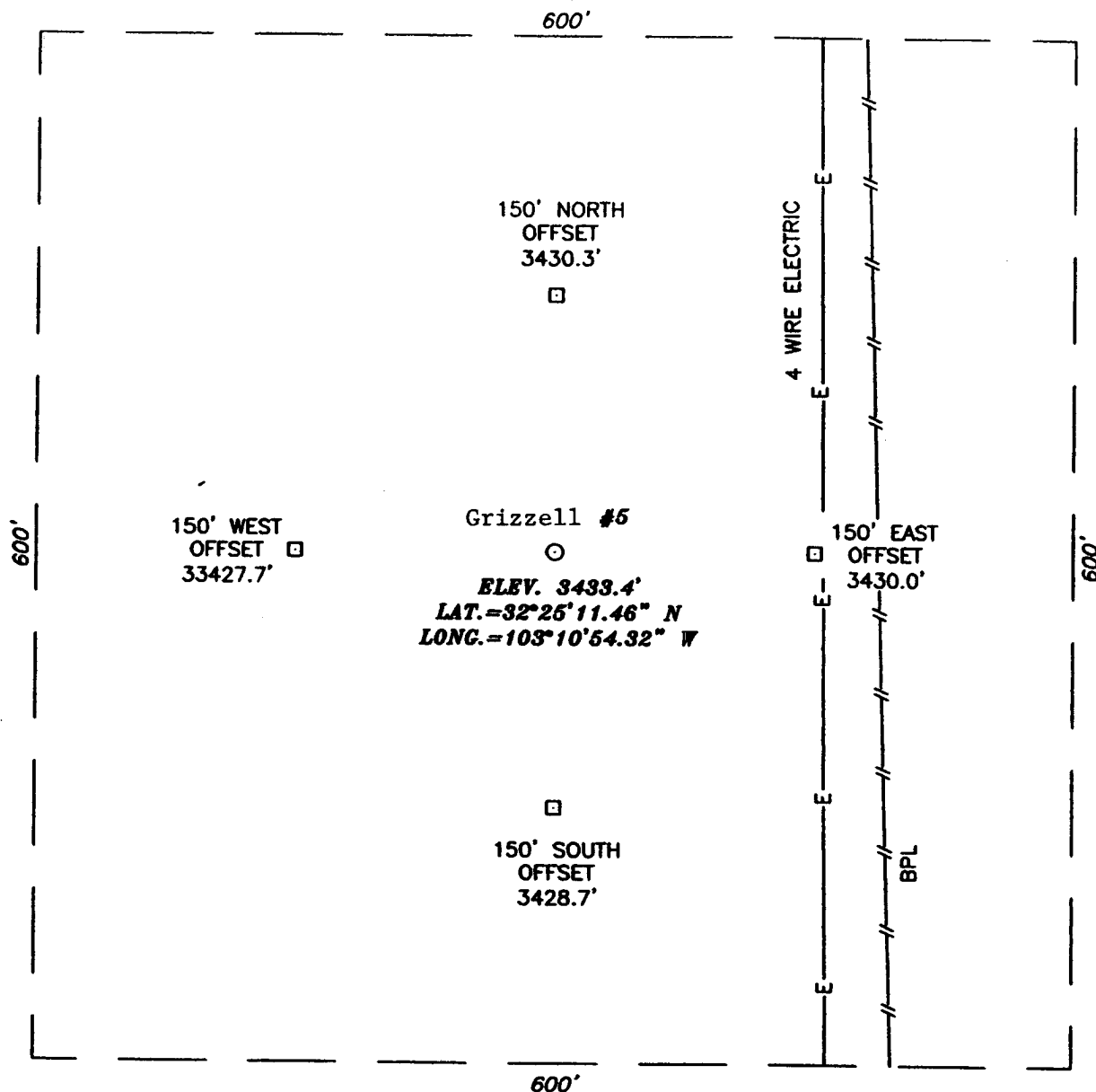
ELEVATION 3433'

OPERATOR Range Operating New Mexico, Inc.

LEASE Grizzell

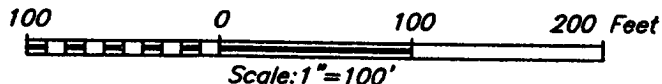


SECTION 5, TOWNSHIP 22 SOUTH, RANGE 37 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF DELAWARE BASIN ROAD (CO. RD. #21) AND S. LEGION ROAD (CO. RD. #33). GO NORTH ON LEGION ROAD APPROX. 1.2 MILES. TURN LEFT AND GO WEST 0.1 MILES TO FORK. TURN RIGHT AND GO NW APPROX. 0.4 MILES TO EXISTING ZIA WELL. GO NE APPROX. 600' TO THIS LOCATION.



RANGE OPERATING NEW MEXICO, INC.

Grizzell #5 WELL
LOCATED 2310 FEET FROM THE SOUTH LINE
AND 1740 FEET FROM THE EAST LINE OF SECTION 5,
TOWNSHIP 22 SOUTH, RANGE 37 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

Survey Date: 02/15/05	Sheet 1 of 1 Sheets		
W.O. Number: 05.11.0204	Dr By: DEL	Rev 1:N/A	
Date: 02/17/05	Disk: CD#4	05110204	Scale: 1"=100'

