

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**

<sup>1</sup> Operator Name and Address Manzano Oil Corporation P.O. Box 2107 Roswell, NM 88202-2107		<sup>2</sup> OGRID Number 013954
<sup>3</sup> Property Code 34462	<sup>4</sup> Property Name Peter Grande	<sup>5</sup> API Number 30 - 025-36993 <sup>6</sup> Well No. 1
<sup>9</sup> Proposed Pool 1 Mescalero, North - Cisco		<sup>10</sup> Proposed Pool 2

**<sup>7</sup> Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	1	10-S	32-E		330	South	400	West	Lea

**<sup>8</sup> 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**

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 4223'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 9700'	<sup>18</sup> Formation Cisco	<sup>19</sup> Contractor United Drilling Inc	<sup>20</sup> Spud Date 12/2004
Depth to Groundwater 250'		Distance from nearest fresh water well 1000 feet or more		Distance from nearest surface water 1000 feet or more
<sup>21</sup> Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12_mils thick Clay <input type="checkbox"/> Pit Volume: 10,000 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**<sup>21</sup> 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#/ft	375'	400sx	Surface
11"	8-5/8"	32#/ft	3400'	1100sx	Surface
7-7/8"	5-1/2"	17#/ft	9700'	925sx	2850'

<sup>22</sup> 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 17-1/2" Hole to 375' - Run 13-3/8" #48/ft J-55 casing to TD, Cement w/sufficient cement to circulate cement to surface - WOC 12hrs prior to drilling on shoe - Prior to drilling out in 11" hole, NU 3k working pressure BOP and test to 500# - Drill 11" hole to 3400' - Run 8-5/8" #32/ft casing to TD, Cement w/sufficient cement to circulate cement to surface - WOC 12hrs prior to drilling on shoe - Prior to drilling out in 7-7/8" hole, NU 3k working pressure BOP and test to 1000# (BOP diagram attached) - Drill 7-7/8" hole to 9700' - No DST Planned at this time - At TD Log well - If well is commercially productive, Run 5-1/2" #17/ft & #20/ft casing to TD, 2-Stage Cement Operation w/Multi-stage cementing tool ~ 8000', Cement w/sufficient cement to bring TOC to 2850' (~ 550' tie back into 8-5/8" Casing) - If non-productive, Plug & Abandon well as per NMOCD instructions

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

<sup>23</sup> 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 <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		<b>OIL CONSERVATION DIVISION</b>	
Printed name: Toby Solis		Approved by:	
Title: Engineer		Title: PETROLEUM ENGINEER	
E-mail Address:		Approval Date: DEC 13 2004 Expiration Date:	
Date: 12/06/2004	Phone: (505) 623-1996	Conditions of Approval Attached <input type="checkbox"/>	

## State of New Mexico

## DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

## DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

## 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 <b>30-025-36993</b>	Pool Code <b>45750</b>	Pool Name <b>Mescalero, North Cisco</b>
Property Code <b>34462</b>	Property Name <b>PETER GRANDE</b>	Well Number <b>1</b>
GRID No. <b>013954</b>	Operator Name <b>MANZANO OIL CORPORATION</b>	Elevation <b>4223'</b>

## Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	1	10-S	32-E		330	SOUTH	400	WEST	LEA

## Bottom Hole Location If Different From Surface

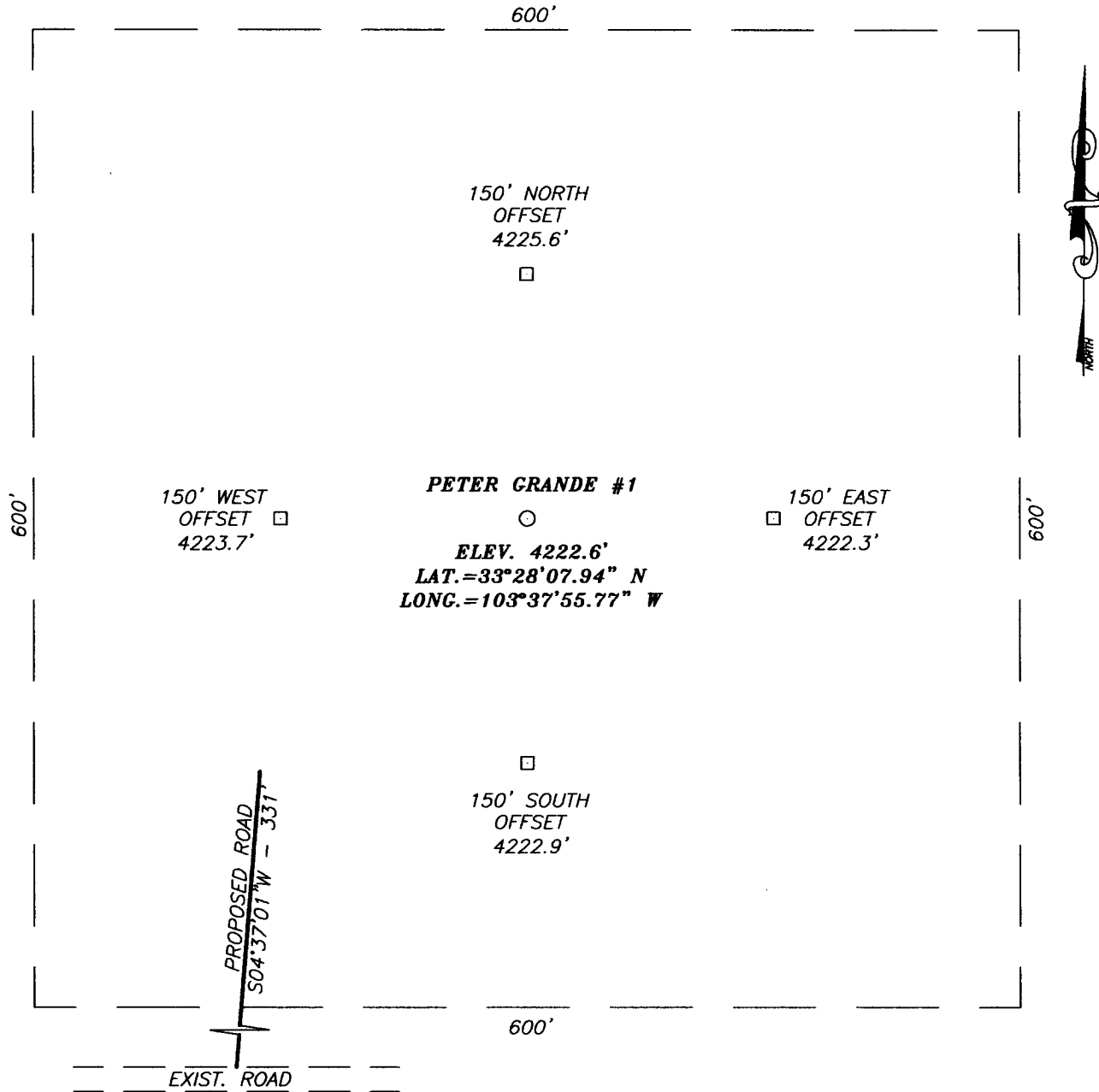
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
<b>40</b>			

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

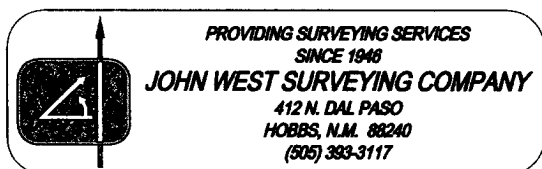
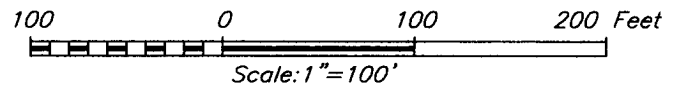
		<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature: <i>[Signature]</i></p> <p><b>Toby Solis</b></p> <p>Printed Name</p> <p><b>Engineer</b></p> <p>Title</p> <p><b>12/6/04</b></p> <p>Date</p>
<p><b>SURVEYOR CERTIFICATION</b></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><b>NOVEMBER 29, 2004</b></p> <p>Date Surveyed</p> <p>Signature &amp; Seal of Professional Surveyor: <i>[Signature]</i></p> <p><b>GARY EIDSON</b></p> <p>04.11.1552</p> <p>Certificate No. <b>GARY EIDSON</b> 12841</p>		<p>LA</p> <p><b>12/02/04</b></p>

**SECTION 1, TOWNSHIP 10 SOUTH, RANGE 32 EAST, N.M.P.M.,**  
 LEA COUNTY, NEW MEXICO



**DIRECTIONS TO LOCATION**

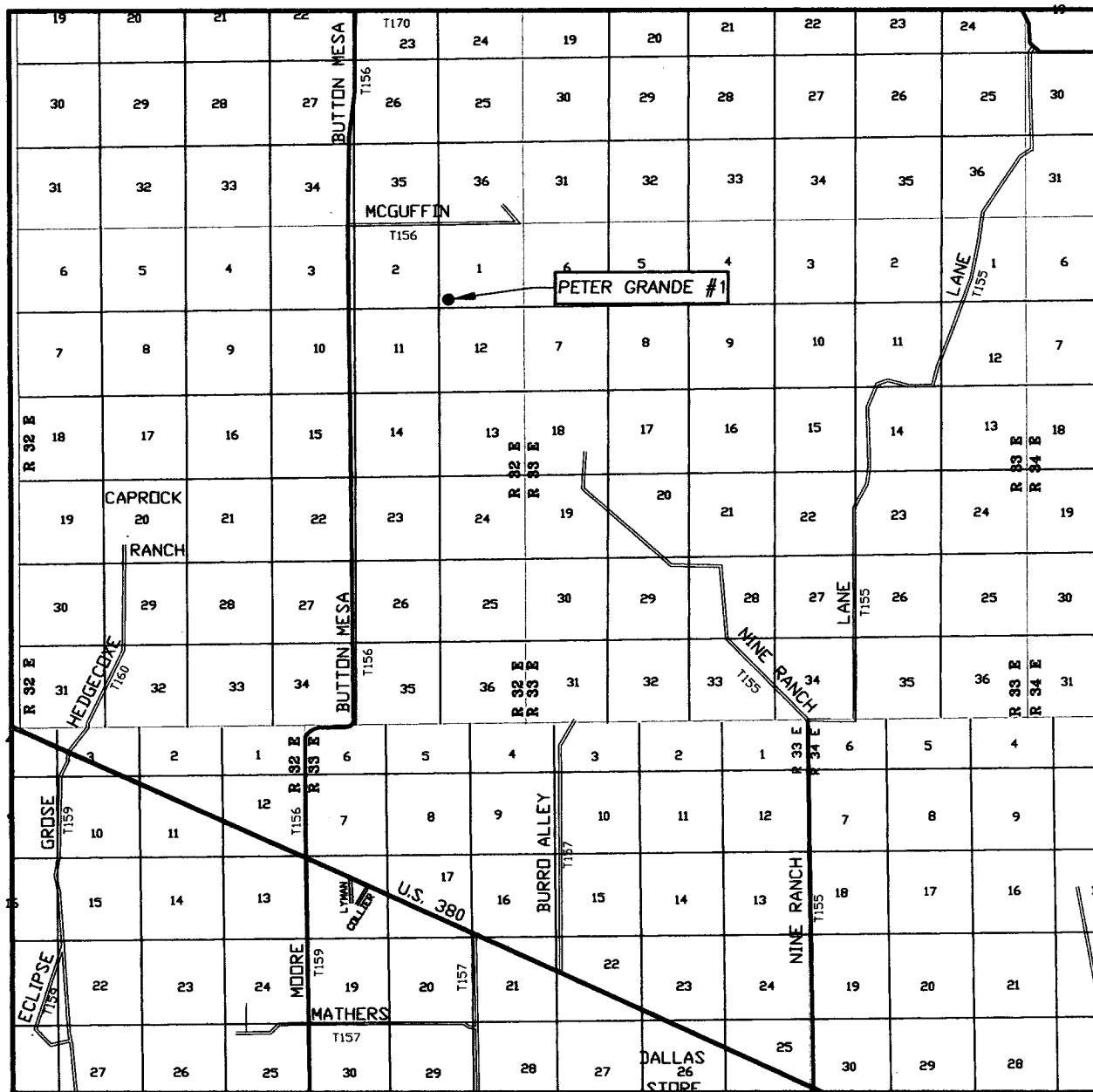
FROM THE INTERSECTION OF STATE HWY. #380 & CO. R.D. #156 (BUTTON MESA RD.) GO NORTH ON BUTTON MESA APPROX. 6.7 MILES TO A LEASE ROAD AND CALICHE PIT ON THE RIGHT. TURN RIGHT AND GO EAST APPROX. 1.2 MILES. TURN LEFT AND GO 0.1 MILES TO THIS LOCATION.



**MANZANO OIL CORPORATION**

PETER GRANDE #1 WELL  
 LOCATED 330 FEET FROM THE SOUTH LINE  
 AND 400 FEET FROM THE WEST LINE OF SECTION 1,  
 TOWNSHIP 10 SOUTH, RANGE 32 EAST, N.M.P.M.,  
 LEA COUNTY, NEW MEXICO.

Survey Date: 11/29/04		Sheet 1 of 1 Sheets	
W.O. Number: 04.11.1552		Dr By: LA	Rev 1:N/A
Date: 12/02/04	Disk: CD#3	04111552	Scale: 1"=100'



SEC. 1 TWP. 10-S RGE. 32-E

SURVEY N.M.P.M.

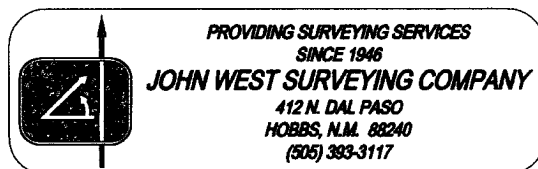
COUNTY \_\_\_\_\_ LEA \_\_\_\_\_

DESCRIPTION 330' FSL & 400' FWL

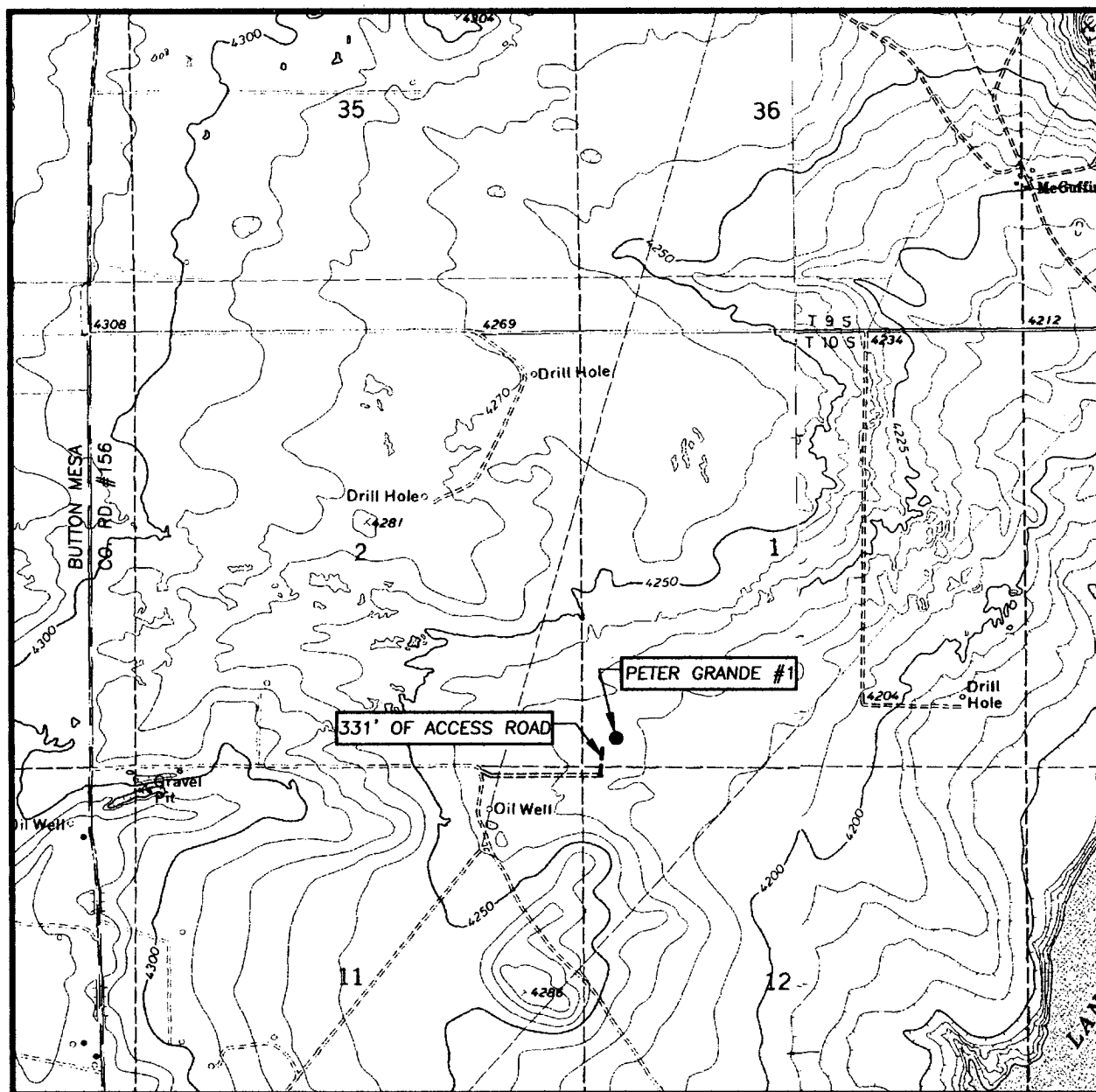
ELEVATION 4223'

OPERATOR MANZANO OIL CORPORATION

LEASE PETER GRANDE



# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
CAP ROCK, N.M. - 10'  
LANE SALT LAKE, N.M. - 5'

SEC. 1 TWP. 10-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA


DESCRIPTION 330' FSL & 400' FWL

ELEVATION 4223'

OPERATOR MANZANO OIL CORPORATION

LEASE PETER GRANDE

U.S.G.S. TOPOGRAPHIC MAP  
CAP ROCK, LANE SALT LAKE, N.M.



PROVIDING SURVEYING SERVICES  
SINCE 1946

**JOHN WEST SURVEYING COMPANY**

412 N. DAL PASO  
HOBBS, N.M. 88240  
(505) 393-3117

# BOP DIAGRAM 3000# SYSTEM

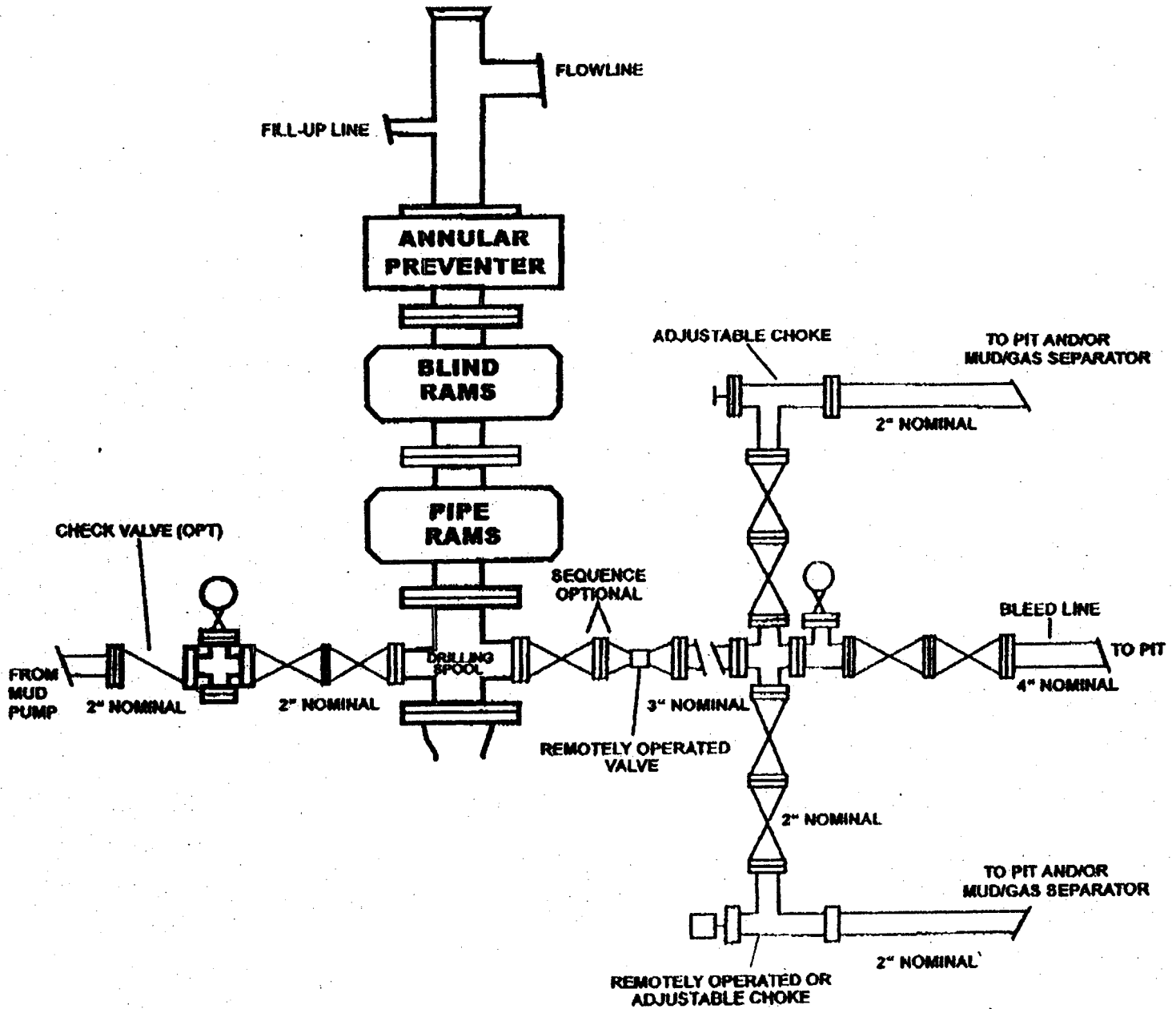


EXHIBIT "E"  
MANZANO OIL CORPORATION  
Brennan Federal Com., Well No. 1  
BOP Specifications

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., 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-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. <b>30-025-36993</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>Peter Grande</b>
8. Well Number <b>#1</b>
9. OGRID Number <b>013954</b>
10. Pool name or Wildcat <b>Mescalero, North - Cisco</b>

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**Manzano Oil Corporation**

3. Address of Operator

**P.O. Box 2107 Roswell, NM 88202-2107**

4. Well Location

Unit Letter **M** : **330** feet from the **South** line and **400** feet from the **West** line  
Section **1** Township **10-S** Range **32-E** NMPM County **Lea**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**4223' GR**

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Searches of drilling records from the immediate area of this location indicate that H2S has not been encountered during previous drilling operations. In addition, communication with the pumper from the immediate area indicated that H2S has not been a problem during the production phase of current producing wells. As there is no indication of any potentially hazardous volumes of H2S, we respectfully request that you approve the Application for Permit to Drill for the above referenced well without a H2S Contingency Plan.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE \_\_\_\_\_ TITLE **Engineer** DATE **10/26/04**

Type or print name **Toby Solis**

E-mail address:

Telephone No. (505) **DEC 1 1996** **2004**

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE **PETROLEUM ENGINEER** DATE \_\_\_\_\_

Conditions of Approval (if any):