

## 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 <b>XTO ENERGY INC. 200 LORAIN STE. 800 MIDLAND, TX 79701</b>		<sup>2</sup> OGRID Number <b>5380</b>
		<sup>3</sup> API Number <b>30-025-35109</b>
<sup>4</sup> Property Code <b>300701</b>	<sup>5</sup> Property Name <b>GREEN STAR STATE 22</b>	<sup>6</sup> Well No. <b>1</b>
<sup>9</sup> Proposed Pool 1 <b>WILDCAT (SAN ANDRES)</b>		<sup>10</sup> Proposed Pool 2

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Id	Feet from the	North/South line	Feet from the	East/West line	County
G	22	16S	32E		1980	line NORTH	2310	EAST	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 <b>OIL</b>	<sup>12</sup> Well Type Code <b>OIL</b>	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>4312</b>
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth	<sup>18</sup> Formation	<sup>19</sup> Contractor	<sup>20</sup> Spud Date
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input 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

Permit Expires 1 Year From Approval  
Data Unless Drilling Underway

<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.

## PROPOSAL TO RECOMPLETE IN GREYBURG OR SAN ANDRES WILDCAT ZONES

- MIRU PU, TOH W/PMP/RODS. NDWH, NUBOP, TOH W/PROD TBG
- TIH, SET CIBP @5000', DUMP 10-20' CMT ON TOP CIBP, NEW PBTD 4980-4990'
- TIH W/CMT BOND LOG, CORRELATE DEPTHS W/DEN/COMP/NEU LOG OF 9/24/2000  
(if cmt bond is sufficient - proceed to next step - otherwise perf & sqz procedure)
- PERF San Andres f/3734-3760' 2 spf, 120 deg phs
- TIH, SET PKR @3675', PMP 2500 GALS 15% HCL & 80 BALL SEALERS, MAX PSI = 5000 SI, OBT 5,10,15 MIN PRESSURES
- RU SWB, TOH W/PKR, NDWH, NDBOP, NU FRAC VALVE
- PMP 53,500 GALS 30# LINEAR GEL + 45,000 GALS 40# LINEAR GEL CARRYING 8,000 LBS 14/30 Lite-Prop-125 + 76,750 lbs 16/30 White Sand & 15,000 lbs 16/30 Super LC Sd. Attempt to Achieve 80 bpm @4000 psi. Flush 1/2 bbl short of top perf w/40# linear gel. Obtain ISIP, 5, 10, 15 min SI pressures.
- FLW WELL BACK, ND FRAC VALVE, NUWH & BOP, C/O FILL. TIH W/PROD TBG, NDBOP, NUWH, TIH W/RODS/PMP. RDPU. POP

<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 ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: M. LYN MARR  
Title: REGULATORY SPECIALIST

E-mail Address: lyn\_marr@xtoenergy.com

Date: 3/1/2006

Phone: 432-620-6714

## OIL CONSERVATION DIVISION

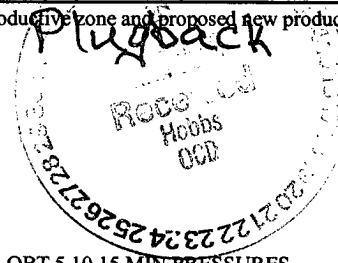
Approved by:

Title:

Approval Date: MAR 07 2006

Expiration Date:

Conditions of Approval Attached ☐



# WELL DATA SHEET

LEASE: Green Star 22 State  
 LOC: 1980' FNL & 2310' FEL  
 SEC/T3/R: Section 22, T16S, R32E

WELL: 1  
 CNTY: Lea  
 ST: N.M.

DATE: 19-Sep-05  
 GL: 4312'  
 KB:   
 DF:

STATUS: Well active  
 API NO: 30-025-35109

14 3/4" Hole to 561'

11-3/4", 42#, H-40 at 561'  
 w/ 350 sx. Cl C, Circ. 5 sx

11" Hole to 3950'

8-5/8", 32# NS-80 & K-55 at 3950'  
 w/ 1470 sx. Circ 157 sx

## Perforation History

### Wolfcamp

9752-9767 4 SPF 60 holes, 120 deg phase  
 9159-9183 2 SPF 48 holes, 120 deg phase  
 9096-9113 2 SPF 34 holes, 120 deg phase  
 9080-9086 2 SPF 12 holes, 120 deg phase

7 7/8" hole to 10650'

5 1/2", 17# M-95 & K-55 (burst 5320 psi)  
 w/ 550 sx CL H 1st stage  
 DV tool @ 8901'  
 2nd stage 1100 sx CL H  
 Est. top @ 1500 ft (from report)

### nd stage calculations

Cmt Calculations	cu ft
800 sx 35/65	1712
300 sx 50/50 Poz	405
Total	2117
Annular Volume	cu ft
5 1/2" csg X 7 7/8" (from 8901 to 3950)	858.01
5 1/2" csg X 8 5/8" csg (from 3950 to surface)	700
Total Volume	1558

## Completion Data

Drilled in October 2000

Initial Completion - November 2000

Perf Wolfcamp 9752-9767, Spot 100 gal 15% HCL, Acidize with 1500 gal 15% HCL & 90  
 1.1 SG Ball Sealers, AIR 4.3 BPM @ 7600 psi, ISIP 6500 psi, 15 min 5934 psi

Swab for 7 hr, rec 13 BO, 7 BW

Acid Frac'd Wolfcamp (9752-9767) w/ 20,000 gal 15% HCL & 14,000 gal WF130 in 4  
 stages, Flushed with 90 blis of WF130, AIR 15 BPM @ 8000 psi with 3 1/2" WS, ISIP  
 6900 psi, 15 min 6832 psi

Swab 33 BO, 31 BW in 26 runs in 9.5 hrs

POP

12/5/00 Pump 18 bo, 7 bw, 32 mcf in 24 hours

2/2001

Set BP @ 9300', dump 20' of sand on RBP, Perf Wolfcamp from 9159-9183 2 JSPF,  
 120 deg phase, Spot 100 gal 15% HCL, Acidize Wolfcamp perfs w/ 2300 gal 15% HCL  
 AIR 3.7 BPM @ 4500 psi, ISIP 3760 psi, 15 min 3460 psi

SWab 13 BLW w/ 20% Oil Cut

DID NOT FRAC INTERVAL

Set RBP @ 9140', dump 10' sand on RBP, Perf Wolfcamp from 9080-9086, 9096-9113  
 2 JSPF 120 deg phase, spot 100 gal 15% HCL, Acidize w/ 2300 gal 15% HCL AIR 4.5  
 BPM @ 4300 psi, ISIP 3750 psi, 15 min 3590 psi

Swab 5 BO, 11 BW in 1 hr.

Retrieve RBP @ 9140', Acid Frac Wolfcamp perfs (9080-9183) w/ 20,000 gal 15% HCL,  
 14,000 gal WF130 w/ 70 RCNBS in 4 stages, AIR 15 BPM @ 4750 psi, ISIP 4138 psi,  
 15 min 3978 psi

POP, Pumped 12 BO, 27 BW in 6 hrs, pumped off

Retrieved RBP @ 9300'

POP all intervals

Pumped 8.8 hrs 13 BO, 17 BW Gas NA (pumped off)

PBD: 9906  
 TD: 10650

Field: Anderson Ranch Wolfcamp

District I  
1625 N. French Dr., Hobbs, NM 88240  
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

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised June 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-35109	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name WILDCAT (SAN ANDRES)
<sup>4</sup> Property Code 30070L	<sup>5</sup> Property Name GREEN STAR STATE 22	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 5380	<sup>8</sup> Operator Name XTO ENERGY INC.	<sup>9</sup> Elevation 4312'

<sup>10</sup> Surface Location

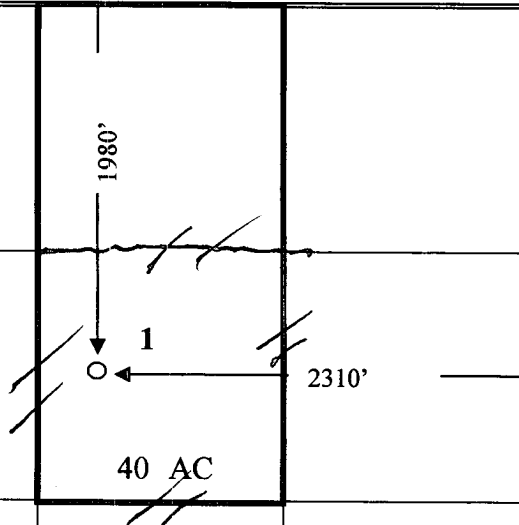
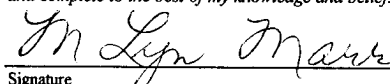
UL or lot no. G	Section 22	Township 16-S	Range 32-E	Lot Idn G	Feet from the 1980	North/South line NORTH	Feet from the 2310	East/West line EAST	County LEA
--------------------	---------------	------------------	---------------	--------------	-----------------------	---------------------------	-----------------------	------------------------	---------------

<sup>11</sup> 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
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup> 	<sup>17</sup> 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 M. LYN MARR Printed Name REGULATORY SPECIALIST 432-620-6714 Title and E-mail Address LYN_MARR@XTOENERGY.COM Date 03/02/2006
	<sup>18</sup> 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>
	Date of Survey Signature and Seal of Professional Surveyor:
	Certificate Number

DISTRICT I  
P. O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P. O. Drawer 00, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

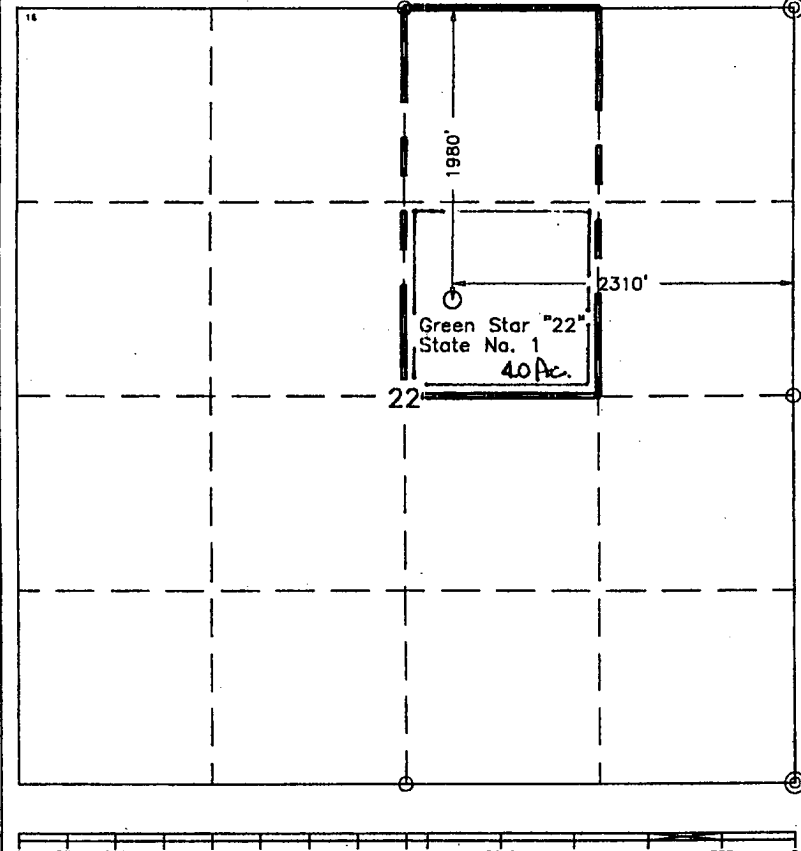

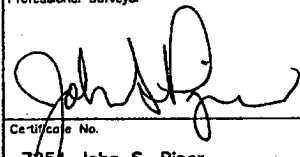
State Lease-4 copies  
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <b>3D-025-35109</b>		2 Pool Code <b>190C</b>		3 Pool Name <b>Anderson Ranch Wolfcamp</b>				
4 Property Code <b>26398</b>		5 Property Name <b>Green Star 22 State</b>			6 Well Number <b>1</b>			
7 OGRID No. <b>22351</b>		8 Operator Name <b>TEXACO EXPLORATION &amp; PRODUCTION, INC.</b>			9 Elevation <b>4312'</b>			
10 Surface Location								
UL or lot no. <b>G</b>	Section <b>22</b>	Township <b>16-S</b>	Range <b>32-E</b>	Lot Idn <b>1980'</b>	Feet from the North/South line <b>North</b>	Feet from the East/West line <b>2310'</b>	East/West line <b>East</b>	County <b>Lea</b>
11 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	East/West line	County
12 Dedicated Acres <b>40</b>		13 Joint or Infill		14 Consolidation Code		15 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.

	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature 	
	Printed Name <b>A. Phil Ryan</b>	
	Position <b>Commission Coordinator</b>	
Company <b>Texaco Expl. &amp; Prod. Inc.</b>		Date <b>July 26, 2000</b>
<b>18 SURVEYOR CERTIFICATION</b> 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 knowledge and belief.		
Date Surveyed <b>July 24, 2000</b>		
Signature & Seal of Professional Surveyor 		
Certificate No. <b>7254 John S. Piper</b>		
Sheet		

○ = Staked Location   ● = Producing Well   ↗ = Injection Well   ◇ = Water Supply Well   ◆ = Plugged & Abandon Well  
⊙ = Found Section Corner, 2 or 3" Iron Pipe & GLO B.C.   ○ = Found 1/4 Section Corner, 1" Iron Pipe & GLO B.C.

ADDITIONAL INFORMATION ON THE LOCATION

State Plane Coordinates		
Northing <b>694902.64 (1927= 694837.71)</b>	Easting <b>719365.64 (1927= 678187.67)</b>	
Latitude <b>32°54'32.246" (1927=32°54'31.819")</b>	Longitude <b>103°45'11.647" (1927=103°45'09.824")</b>	
Zone <b>North American Datum</b>	Combined Grid Factor <b>0.9997417</b>	Coordinate File <b>Greenstr.locus &amp; cr5 File</b>
East <b>1983</b>		
Drawing File <b>Grnstar22.dwa</b>	Field Book <b>Lea Co. FB. 18, Pg. 70</b>	

 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

**Mull, Donna, EMNRD**

**From:** Phillips, Dorothy, EMNRD  
**To:** Mull, Donna, EMNRD  
**Cc:**  
**Subject:** RE: Financial Assurance Requirement  
**Attachments:**

**Sent:** Mon 3/6/2006 11:40 AM

Okay

---

**From:** Mull, Donna, EMNRD  
**Sent:** Monday, March 06, 2006 11:12 AM  
**To:** Phillips, Dorothy, EMNRD  
**Subject:** Financial Assurance Requirement

Dorothy, These operators have APD intent to Drill, Deepen, Re-Entry:

Paladin Energy Corp (164070)  
Energen Resources Corp (162928)  
XTO Energy Inc (5380)  
Northstar Operating Co (152527)  
Yates Petroleum Corp (25575)  
Manzano Oil Corp (13954)

What is their standing on Financial Assurance Requirement?

Please let me know. Thanks Donna