

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

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

1. Operator Name and Address XTO ENERGY, INC 382 ROAD 3100 AZTEC, NM 87410		2. OGRID Number 5380
4. Property Code 22776		3. API Number 30-045-34641
5. Property Name MASDEN GAS COM		6. Well No. 001Y

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	28	29N	11W	F	1965	N	2300	W	SAN JUAN

**8. Pool Information**

BASIN DAKOTA (PRORATED GAS)	71599
OTERO CHACRA (GAS)	82329
WC BASIN MANCOS	97232

**Additional Well Information**

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 5406
14. Multiple Y	15. Proposed Depth	16. Formation Dakota Formation	17. Contractor	18. Spud Date
Depth to Ground water 150		Distance from nearest fresh water well		Distance to nearest surface water

Pit: Liner: Synthetic ☐      mils thick      Clay ☐      Pit Volume:      bbls      Drilling Method:  
 Closed Loop System ☒      Fresh Water ☐      Brine ☐      Diesel/Oil-based ☐      Gas/Air ☐

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	120	140	
Surf	12.25	8.625	24	850	568	
Prod	7.875	5.5	15.5	6500	175	
Prod	7.875	5.5	15.5	6500	100	
Prod	7.875	5.5	15.5	6500	341	
Prod	7.875	5.5	15.5	6500	150	

**Casing/Cement Program: Additional Comments**

CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings): A. Conductor: 13.375", 48.0#, H-40, ST&C casing to be set at ?120' in 17-1/2" hole. 140 sx of Type V Cement with 2% CaCl and 0.25 lb/sk cell-flake or equivalent mixed at 15.60 ppg, 1.19 cu. Ft./sk yield, and 5.2 gal/sk mix water. Total slurry volume is 166.7 ft3, 100% excess of calculated annular volume to 120'. B. Surface: 8.625", 24.0#, J-55, ST&C casing to be set at ? 850' in 12-1/4" hole. 568 sx of Type V cement (or equivalent) typically containing accelerator and LCM, mixed at 15.6 ppg, 1.19 ft3/sk, & 5.2 gal/sk mix water. Total slurry volume is 676 ft3, 100% excess of calculated annular volume to 850'. C. Production: 5.5", 15.5#, J-55 (or K-55), ST&C casing to be set at ?6500' in 7.875" hole. DV Tool set @ ±3850' 1st Stage LEAD: ±175 sx of Premium Lite HS (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, accel

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	4000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. <b>I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .</b> Printed Name: Electronically filed by Cheryl Moore Title: Production Accounting Supervisor Email Address: Cheryl_moore@xtoenergy.com Date: 3/17/2008      Phone: 505-333-3143	<b>OIL CONSERVATION DIVISION</b>  Approved By: Charlie Perrin Title: District Supervisor Approved Date: 3/18/2008      Expiration Date: 3/18/2010  Conditions of Approval Attached
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**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(505) 393-6161 Fax:(505) 393-0720

**District II**  
 1301 W. Grand Ave., Artesia, NM 88210  
 Phone:(505) 748-1283 Fax:(505) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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Form C-102  
 Permit 71497

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-34641	2. Pool Code 71599	3. Pool Name BASIN DAKOTA (PRORATED GAS)
4. Property Code 22776	5. Property Name MASDEN GAS COM	6. Well No. 001Y
7. OGRID No. 5380	8. Operator Name XTO ENERGY, INC	9. Elevation 5406

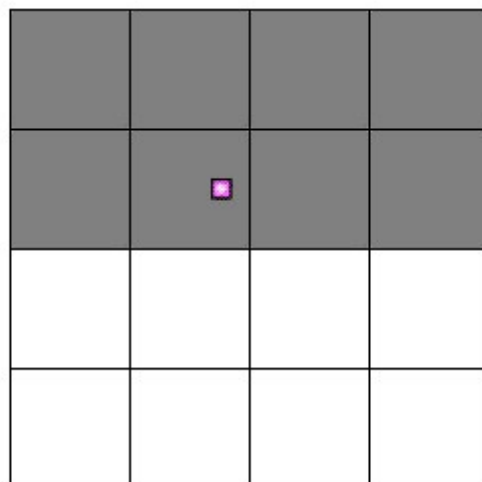
**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	28	29N	11W		1965	N	2300	W	SAN JUAN

**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00		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**



**OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

E-Signed By: Cheryl Moore  
 Title: Production Accounting Supervisor  
 Date: 3/17/2008

**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.*

Surveyed By: Roy Rush  
 Date of Survey: 3/13/2008  
 Certificate Number: 8894

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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-34641	2. Pool Code 82329	3. Pool Name OTERO CHACRA (GAS)
4. Property Code 22776	5. Property Name MASHEN GAS COM	6. Well No. 001Y
7. OGRID No. 5380	8. Operator Name XTO ENERGY, INC	9. Elevation 5406

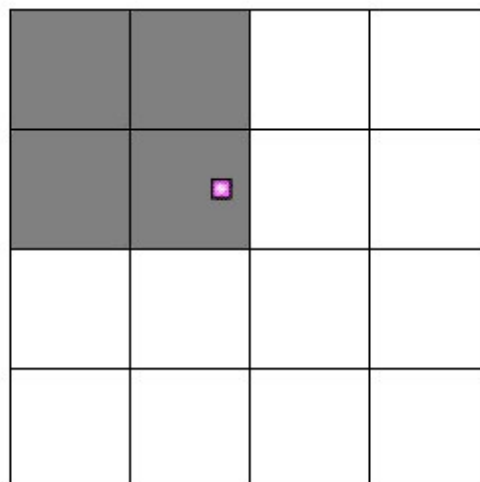
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**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 160.00		13. Joint or Infill		14. Consolidation Code		15. Order No.			

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1. API Number 30-045-34641	2. Pool Code 97232	3. Pool Name WC BASIN MANCOS
4. Property Code 22776	5. Property Name MASDEN GAS COM	6. Well No. 001Y
7. OGRID No. 5380	8. Operator Name XTO ENERGY, INC	9. Elevation 5406

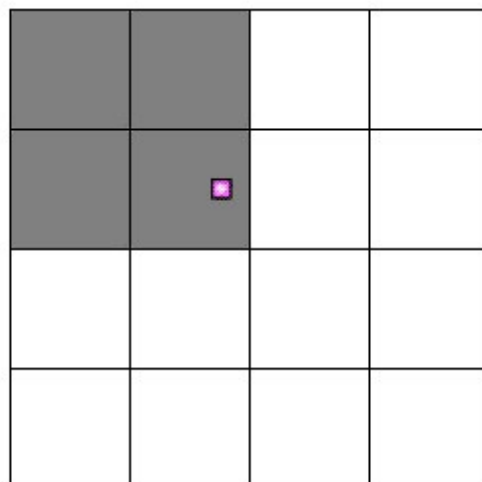
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## Permit Comments

Operator: XTO ENERGY, INC , 5380  
Well: MASDEN GAS COM #001Y  
API: 30-045-34641

Created By	Comment	Comment Date
KSHARP	Chacra is non-standard location	3/18/2008

# Permit Conditions of Approval

Operator: XTO ENERGY, INC , 5380

Well: MASDEN GAS COM #001Y

API: 30-045-34641

OCD Reviewer	Condition
CPerrin	Will require administrative order for non-standard location
CPerrin	