

**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 36992		3. API Number 30-045-34772
5. Property Name HUERFANO UNIT		6. Well No. 309

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	2	25N	09W	L	1960	S	750	W	SAN JUAN

**8. Pool Information**

BASIN DAKOTA (PRORATED GAS)	71599
WC BASIN MANCOS	97232

**Additional Well Information**

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 6469
14. Multiple Y	15. Proposed Depth 6850	16. Formation Dakota Formation	17. Contractor	18. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to 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 checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	360	214	0
Prod	7.875	5.5	15.5	4250	199	
Prod	7.875	5.5	15.5	4250	150	
Prod	7.875	5.5	15.5	6850	355	
Prod	7.875	5.5	15.5	6850	100	

**Casing/Cement Program: Additional Comments**

A. Surface: 8.625", 24.0#, J-55, ST&C casing to be set at ? 360' in 12-1/4" hole. 214 sx of Type III cement (or equivalent) typically containing accelerator and LCM, mixed at 14.5 ppg, 1.39 ft3/sk, & 6.70 gal wtr/sk. Total slurry volume is 297 ft3, 100% excess of calculated annular volume to 360'. B. Production: 5.5", 15.5#, J-55 (or K-55), ST&C casing to be set at ?6850' in 7.875" hole. DV Tool set @ ±4250' 1st Stage LEAD: ±199 sx of Premium Lite HS (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 12.5 ppg, 2.01 ft3/sk, 10.55 gal wtr/sx. TAIL: 150 sx Type III or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx. 2nd Stage LEAD: ±355 sx of Type III or equivalent cement with 8% gel & LCM mixed at 11.9 ppg, 2.54 ft3/sk, 15.00 gal wtr/sx. TAIL: 100 sx Type III neat mixed at 14.5 ppg, 1.39 cuft/sx, 6.3 gal/sx. Total estimated slurry volu

**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>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Electronically filed by Cheryl Moore	Approved By: Charlie Perrin	
Title: Production Accounting Supervisor	Title: District Supervisor	
Email Address: Cheryl_moore@xtoenergy.com	Approved Date: 8/28/2008	Expiration Date: 8/28/2010
Date: 8/20/2008	Phone: 505-333-3143	Conditions of Approval Attached

**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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**Santa Fe, NM 87505**

Form C-102  
 Permit 80696

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-34772	2. Pool Code 71599	3. Pool Name BASIN DAKOTA (PRORATED GAS)
4. Property Code 36992	5. Property Name HUERFANO UNIT	6. Well No. 309
7. OGRID No. 5380	8. Operator Name XTO ENERGY, INC	9. Elevation 6469

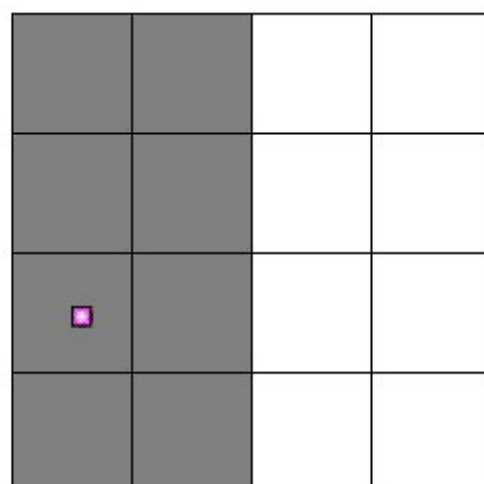
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L	2	25N	09W		1960	S	750	W	SAN JUAN

**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 320.21		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: 8/20/2008

**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: 8/13/2007  
 Certificate Number: 8894

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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-34772	2. Pool Code 97232	3. Pool Name WC BASIN MANCOS
4. Property Code 36992	5. Property Name HUERFANO UNIT	6. Well No. 309
7. OGRID No. 5380	8. Operator Name XTO ENERGY, INC	9. Elevation 6469

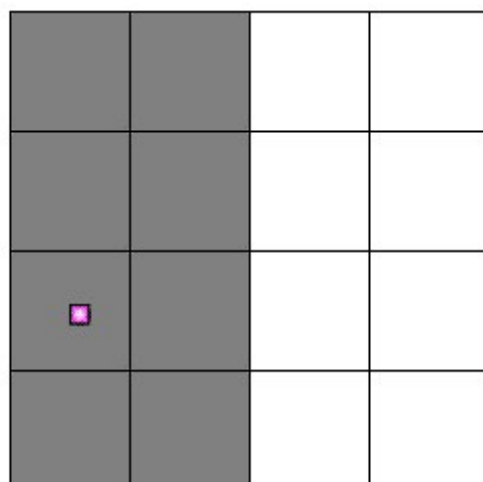
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# Permit Conditions of Approval

Operator: XTO ENERGY, INC , 5380

Well: HUERFANO UNIT #309

API: 30-045-34772

OCD Reviewer	Condition
SHAYDEN	A complete C-144 must be submitted to, and approved by, the NM OCD for: a pit, closed loop system, below grade tank, or proposed alternative method, pursuant to NMOCDC part 16.15.17, prior to the use or construction of the above applications