

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
		3. API Number 30-025-39196
4. Property Code 300649	5. Property Name ARROWHEAD GRAYBURG UNIT	6. Well No. 405

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
G	12	22S	36E	G	1401	N	1563	E	LEA

8. Pool Information

ARROWHEAD;GRAYBURG	3040
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3464
14. Multiple N	15. Proposed Depth 4100	16. Formation San Andres	17. Contractor	18. Spud Date 11/15/2008
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls 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	1200	625	
Prod	7.875	5.5	17	4100	750	

Casing/Cement Program: Additional Comments

XTO Energy Inc proposes to: Drill 12-1/4" hole to 1200', run 8-5/8" csg & cmt w/Class C to surface. Drill 7-7/8" hole to 4100', run 5-1/2" csg & cmt w/class C to surface (DV tool maybe used depending on fluid loss). MUD PROGRAM: 0-1200' - 8.4ppg fresh water, 1200'-4100' - 10.0ppg brine water. XTO Energy Inc CASE III BOPE.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Hydril	1500	3000	Schaffer
DoubleRam	1500	3000	Schaffer

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 NMUCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCB-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
Printed Name: Electronically filed by Cheryl Moore	Approved By: Paul Kautz	
Title: Production Accounting Supervisor	Title: Geologist	
Email Address: Cheryl_moore@xtoenergy.com	Approved Date: 10/9/2008	Expiration Date: 10/9/2010
Date: 9/24/2008	Phone: 505-333-3143	

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 and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 3040	Pool Name Arrowhead ; Grayburg
Property Code	Property Name ARROWHEAD GRAYBURG UNIT	Well Number 405
OGRID No. 5380	Operator Name XTO ENERGY	Elevation 3464'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	12	22-S	36-E		1401	NORTH	1563	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.						

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	LOT 3	LOT 2	LOT 1
<p>GEODETIC COORDINATES NAD 27 NME Y=514547.1 N X=845114.2 E LAT.=32.409641° N LONG.=103.215073° W</p>			
<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Sorine L Flores</i> 9/24/08 Signature Date <i>Sorine L Flores</i> Printed Name</p>			
<p>SURVEYOR CERTIFICATION</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></p> <p>Date Surveyed: 9/24/08 Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 9/31/08</p> <p>Certificate No. RONALD EIDSON 3239</p>			

Permit Comments

Operator: XTO ENERGY, INC , 5380

Well: ARROWHEAD GRAYBURG UNIT #405

API: 30-025-39196

Created By	Comment	Comment Date
DMULL	OCD received form C-144 "Pit Registration". OCD permit Number P1-00558.	10/9/2008