

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**

Operator Name and Address XTO Energy Inc.		OGRID Number 005380
Property Code 300649		API Number 30 - 025-37783
Property Name Arrowhead Grayburg Unit		Well No. 360
Proposed Pool 1 Arrowhead Grayburg		Proposed Pool 2

**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	22-S	36-E		1295	South	1230	West	Lea

**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**

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 3508'
Multiple No	Proposed Depth 5200'	Formation Grayburg	Contractor N/A	Spud Date ASAP
Depth to Groundwater 160'	Distance from nearest fresh water well 1000'+		Distance from nearest surface water 1000'+	
Pit: Liner: Synthetic X 12 mils thick Clay <input type="checkbox"/>		Pit Volume: 7000 bbls		Drilling Method:
Closed-Loop System <input type="checkbox"/>		Fresh Water <input type="checkbox"/>		Brine X Diesel/Oil-based <input type="checkbox"/> Gas Air <input type="checkbox"/>

**Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Estimated TOC
12-1/4"	8-5/8"	24#	1200'	Surf
7-7/8"	5-1/2"	17#	5200'	Surf

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.

XTO Energy, Inc. proposes to:  
Drill 12-1/4" hole to 1200', run 8-5/8" casing and cement with Class "C" to surface.  
Drill 7-7/8" hole to 5200', run 5-1/2" casing and cement with Class "C" to surface.

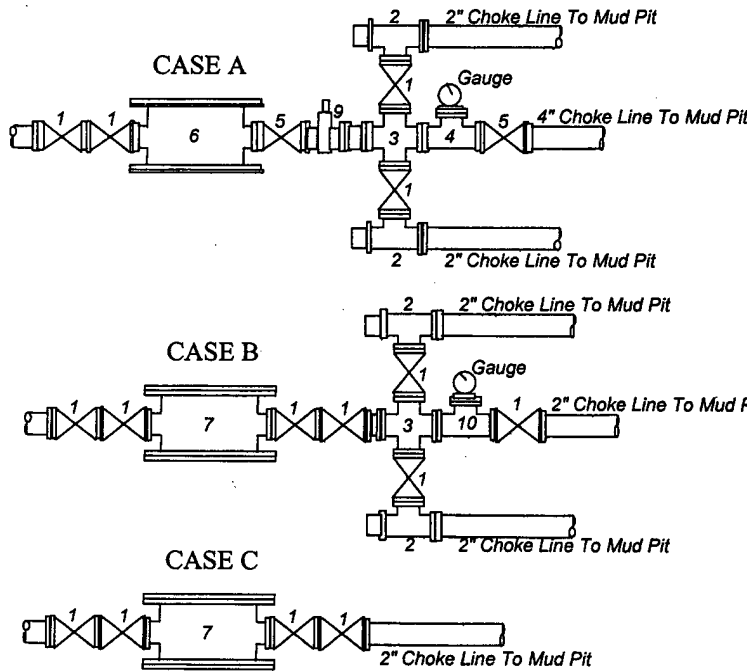
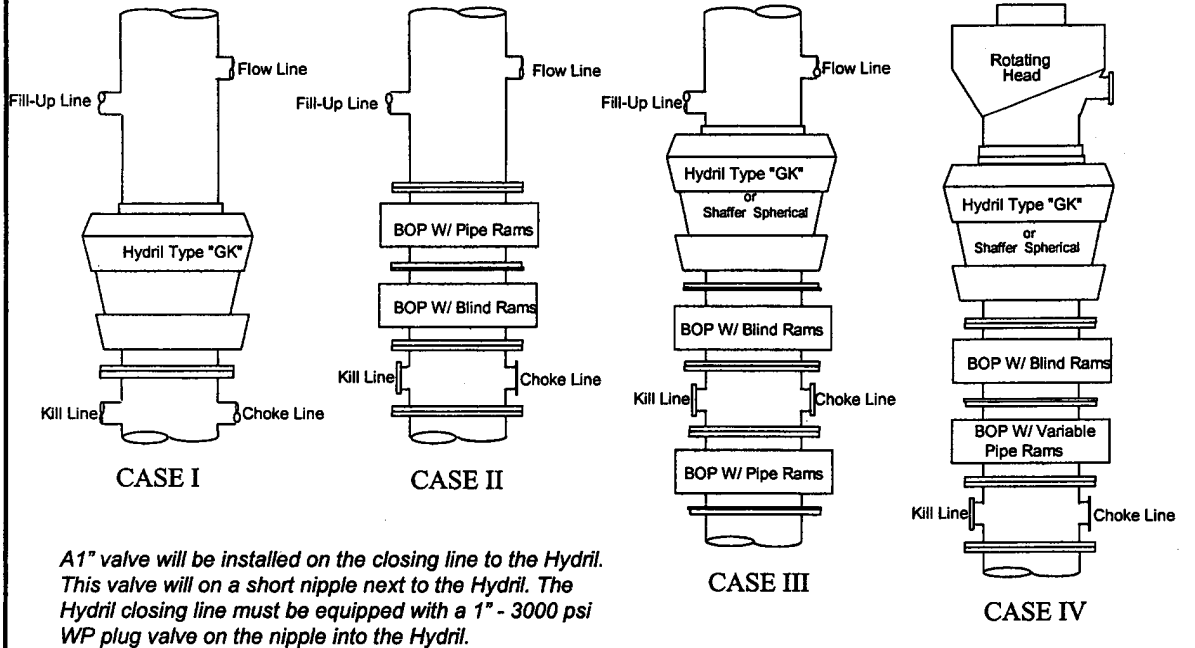
Mud Program: 0' to 1200' 8.4 ppg fresh water.  
1200' to 5200' 10.0 ppg brine water.

XTO Energy, Inc. Case IV BOPE

**Permit Expires 1 Year From Approval Date Unless Drilling Underway**

<p>23 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"/>.</p> <p>Printed name: DeeAnn Kemp <i>DeeAnn Kemp</i></p> <p>Title: Regulatory</p> <p>E-mail Address:</p> <p>Date: 6/6/06</p> <p>Phone: 432-620-6724</p>	<p>OIL CONSERVATION DIVISION</p> <p>Approved by: <i>[Signature]</i></p> <p>Title: PETROLEUM ENGINEER</p> <p>Approval Date: JUN 10 2005</p> <p>Expiration Date:</p> <p>Conditions of Approval Attached <input type="checkbox"/></p>
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# MINIMUM BLOWOUT PREVENTER REQUIREMENTS



BOP SIZE	BOP CASE	WORKING PRESSURE	CHOKE CASE
13-5/8"	IV	5000	A

**\*Rotating head required**

Bradenhead furnished by Conoco will be:  
**Mfr: Wood Group**  
**Description: 13-3/8" x 13-5/8" 3M.**  
**Type: SOW**

**Legend**

1. 2" flanged all steel valve must be either Cameron "F", Halliburton Low Torque or Shaffer Flo-Seal.
2. 2" flanged adjustable chokes, min. 1" full opening & equipped with hard trim.
3. 4" x 2" flanged steel cross.
4. 4" flanged steel tee.
5. 4" flanged all steel valve (Type as in no. 1).
6. Drilling Spool with 2" x 4" flanged outlet.
7. Drilling Spool with 2" x 2" flanged outlet.
8. 2" x 2" flanged steel cross.
9. 4" pressure operated gate valve.
10. 2" flanged steel tee.

**Notes**

Choke manifold may be located in any convenient position. Use all steel fittings throughout. Make 90° turns with bull plugged tees only. No field welding will be permitted on any of the components of the choke manifold and related equipment upstream of the chokes. The choke spool and all lines and fittings must be at least equivalent to the test pressure of the preventers required. Independent closing control unit with clearly marked controls to be located on derrick floor near driller's position.

State of New Mexico

Energy, Minerals and Natural Resources Department

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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>30-025-37283</b>	Pool Code 3040	Pool Name Arrowhead Grayburg
Property Code 300649	Property Name Arrowhead Grayburg Unit	Well Number 360
OGRID No. 005380	Operator Name XTO ENERGY	Elevation 3508'

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	22-S	36-E		1295	SOUTH	1230	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 <b>40</b>	Joint or Infill <b>N</b>	Consolidation Code	Order No.
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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</p> <p>Y=517216.5 N X=842606.6 E</p> <p>LAT.=32°25'01.38" N LONG.=103°13'23.18" W</p>			
<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>DeeAnn Kemp</i> Signature</p> <p>DeeAnn Kemp Printed Name</p> <p>Regulatory Title</p> <p>6/6/05 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>APRIL 8, 2005</p> <p>Date Surveyed</p> <p><i>Gary Edson</i> Signature &amp; Seal of Professional Surveyor</p> <p>05-11-0556</p> <p>Certificate No. GARY EDSON 12841</p>			