

**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 APACHE CORP 6120 S. YALE TULSA, OK 74136		2. OGRID Number 873
4. Property Code 306595		3. API Number 30-025-39565
5. Property Name BERTHA BARBER		6. Well No. 023

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	5	20S	37E	L	2290	S	990	W	LEA

**8. Pool Information**

MONUMENT;ABO	46970
MONUMENT;DRINKARD	97060
MONUMENT;BLINEBRY	46990
MONUMENT;PADDOCK	47080
MONUMENT;TUBB	47090

**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3562
14. Multiple Y	15. Proposed Depth 7700	16. Formation Abo	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"/> Closed Loop System <input type="checkbox"/> Pits thick      Clay <input type="checkbox"/> Pit Volume:      bbls                      Drilling Method: 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	1100	550	0
Prod	7.875	5.5	17	7700	1200	0

**Casing/Cement Program: Additional Comments**

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**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

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 type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Electronically filed by Lana Williams	Approved By: Paul Kautz	
Title: Engineering Tech	Title: Geologist	
Email Address: lana.williams@apachecorp.com	Approved Date: 10/29/2009	Expiration Date: 10/29/2011
Date: 10/28/2009	Phone: 918-491-4900	Conditions of Approval Attached

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
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Form C-102  
 Permit 104436

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-39565	2. Pool Code 46970	3. Pool Name MONUMENT; ABO
4. Property Code 306595	5. Property Name BERTHA BARBER	6. Well No. 023
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3562

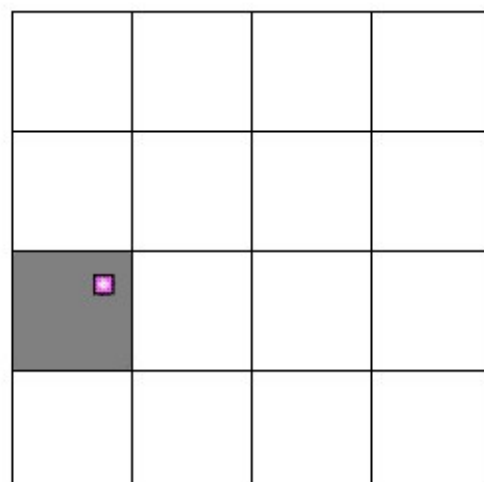
**10. Surface Location**

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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 40.00	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: Lana Williams  
 Title: Engineering Tech  
 Date: 10/28/2009

**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: Jones Gary  
 Date of Survey: 10/22/2009  
 Certificate Number: 7977



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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-39565	2. Pool Code 97060	3. Pool Name MONUMENT;DRINKARD
4. Property Code 306595	5. Property Name BERTHA BARBER	6. Well No. 023
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3562

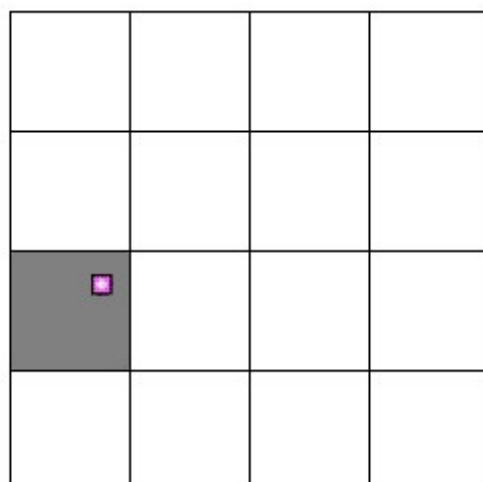
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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-39565	2. Pool Code 46990	3. Pool Name MONUMENT;BLINEBRY
4. Property Code 306595	5. Property Name BERTHA BARBER	6. Well No. 023
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3562

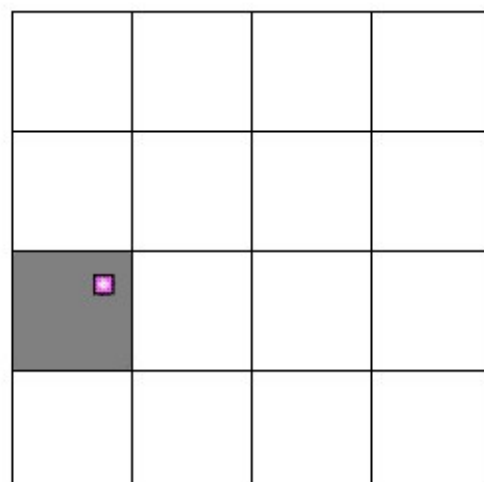
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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-39565	2. Pool Code 47080	3. Pool Name MONUMENT;PADDOCK
4. Property Code 306595	5. Property Name BERTHA BARBER	6. Well No. 023
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3562

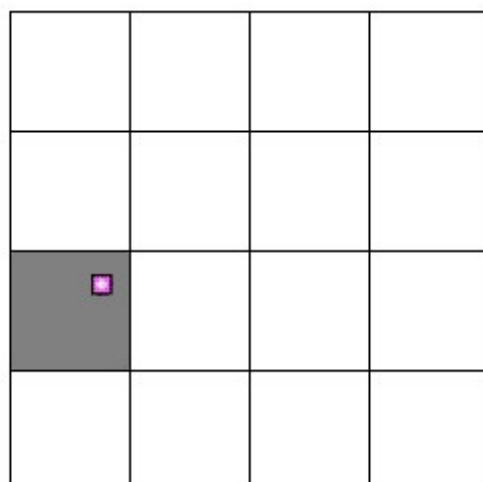
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4. Property Code 306595	5. Property Name BERTHA BARBER	6. Well No. 023
7. OGRID No. 873	8. Operator Name APACHE CORP	9. Elevation 3562

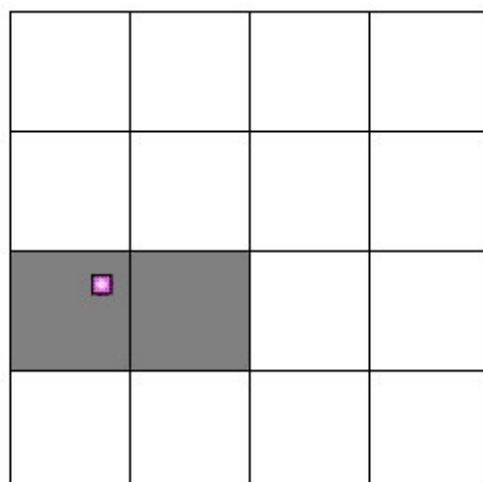
**10. Surface Location**

UL - Lot L	Section 5	Township 20S	Range 37E	Lot Idn L	Feet From 2290	N/S Line S	Feet From 990	E/W Line W	County LEA
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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 80.00	13. Joint or Infill	14. Consolidation Code	15. Order No.						

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## Permit Comments

**Operator:** APACHE CORP , 873

**Well:** BERTHA BARBER #023

**API:** 30-025-39565

Created By	Comment	Comment Date
DMULL	Sending back to operator for correction on proration unit.	10/28/2009
DMULL	OCD received form C-144 "Pit Registration". OCD Permit Number P1-01449.	10/29/2009

# Permit Conditions of Approval

**Operator:** APACHE CORP , 873

**Well:** BERTHA BARBER #023

**API:** 30-025-39565

OCD Reviewer	Condition
DMULL	Will requires Santa Fe approval of form C-107A "Downhole Commingling" before multiple zones can be produced by commingling in the wellbore accordance with the procedure set forth in Rule 19.15.12.11.