

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 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

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

Form C-101  
August 1, 2011  
Permit 182405

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

1. Operator Name and Address APACHE CORP 303 Veterans Airpark Lane Midland, TX 79705		2. OGRID Number 873
4. Property Code 302708		3. API Number 30-025-41704
5. Property Name NORTH MONUMENT G/SA UNIT		6. Well No. 433

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	20	19S	37E		1310	N	1330	W	Lea

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	20	19S	37E	C	1310	N	1330	W	Lea

**9. Pool Information**

EUNICE MONUMENT;GRAYBURG-SAN ANDRES	23000
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3656
16. Multiple N	17. Proposed Depth 4200	18. Formation Grayburg	19. Contractor	20. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	11	8.625	24	1350	450	
Prod	7.875	5.5	17	4000	650	

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Hydril	3000	2000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable.  Signature: _____ Printed Name: Bobby Smith Title: _____ Email Address: bobby.smith@apachecorp.com Date: 3/4/2014	<p style="text-align: center;"><b>OIL CONSERVATION DIVISION</b></p> Approved By: Paul Kautz Title: Geologist Approved Date: 3/4/2014 Expiration Date: 3/4/2016 Conditions of Approval Attached
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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-025</b>	<sup>2</sup> Pool Code <b>23000</b>	<sup>3</sup> Pool Name <b>Eunice Monument; Grayburg - San Andres</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>NORTH MONUMENT G/SA UNIT</b>	
<sup>7</sup> OGRID No. <b>873</b>	<sup>8</sup> Operator Name <b>APACHE CORPORATION</b>	
	<sup>6</sup> Well Number <b>#433</b>	<sup>9</sup> Elevation <b>3655.659</b>

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>3</b>	<b>20</b>	<b>19 S</b>	<b>37 E</b>		<b>1310</b>	<b>NORTH</b>	<b>1330</b>	<b>WEST</b>	<b>LEA</b>

**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
<sup>12</sup> Dedicated Acres <b>40</b>		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

SECTION 20, TOWNSHIP 19 SOUTH, RANGE 37 EAST P.M.

<p><b>FOUND 3 INCH IRON PIPE, MARKED "U.S. GENERAL LAND OFFICE"</b> BEARS N 82°12'27" E 8,837.76 FEET LAT: 32.652759 LONG: -103.281556 NADSPCE N: 602788.362 NADSPCE E: 823721.874 (N.A.D. 27) LAT: 32.652880 LONG: -103.282040 NADSPCE N: 602850.536 NADSPCE E: 861901.262 (N.A.D. 83)</p>		<p><b>FOUND P.M. NAIL IN THE CENTERLINE OF MONUMENT HIGHWAY</b> BEARS N 82°12'27" E 8,837.76 FEET LAT: 32.652716 LONG: -103.281459 NADSPCE N: 602825.214 NADSPCE E: 823954.505 (N.A.D. 27) LAT: 32.652837 LONG: -103.281942 NADSPCE N: 602887.270 NADSPCE E: 870165.977 (N.A.D. 83)</p>		<p><b>" OPERATOR CERTIFICATION</b> 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 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.  Signature <u>Michelle Cooper</u> Date <u>2-28-14</u>  Printed Name <u>Michelle Cooper</u>  E-mail Address <u>michelle.cooper@apachecorp.com</u></p>	
<p><b>SURFACE LOCATION</b> DD LAT: 32.649148 DD LONG: -103.277239 DMS LAT: 32°38'56.874"N DMS LONG: 103°16'38.083"W NADSPCE N: 601487.325 NADSPCE E: 825063.711 (N.A.D. 27) DD LAT: 32.649369 DD LONG: -103.277722 DMS LAT: 32°38'57.369"N DMS LONG: 103°16'39.800"W NADSPCE N: 601548.874 NADSPCE E: 865245.180 (N.A.D. 83)</p>				<p><b>"SURVEYOR CERTIFICATION</b> 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.  Date of Survey <u>18 Feb 2014</u>  Signature and Seal of Professional Surveyor <u>[Signature]</u>  Certificate Number <u>20559</u></p>	
<p><b>FOUND 3 INCH IRON PIPE, MARKED "U.S. GENERAL LAND OFFICE"</b> LAT: 32.638258 LONG: -103.281570 NADSPCE N: 597512.700 NADSPCE E: 823769.767 (N.A.D. 27) LAT: 32.638180 LONG: -103.282053 NADSPCE N: 597574.851 NADSPCE E: 861951.394 (N.A.D. 83)</p>		<p><b>FOUND CAPPED 1/2 INCH IRON ROD, MARKED L.S. 10301 IN STONE MOUND</b> LAT: 32.638215 LONG: -103.281505 NADSPCE N: 597518.820 NADSPCE E: 823923.473 (N.A.D. 27) LAT: 32.638335 LONG: -103.281987 NADSPCE N: 597610.866 NADSPCE E: 870205.192 (N.A.D. 83)</p>			

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**Santa Fe, NM 87505**

Form APD Comments  
  
Permit 182405

**PERMIT COMMENTS**

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705		API Number: 30-025-41704
		Well: NORTH MONUMENT G/SA UNIT #433

Created By	Comment	Comment Date
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Form APD Conditions

Permit 182405

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705	API Number: 30-025-41704
	Well: NORTH MONUMENT G/SA UNIT #433

OCD Reviewer	Condition
DMULL	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
DMULL	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water