

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 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 169921

**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
		3. API Number 30-025-41268
4. Property Code 302328	5. Property Name BERTHA J BARBER	6. Well No. 019

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	8	20S	37E	D	820	N	415	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
D	8	20S	37E	D	820	N	415	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 Private	15. Ground Level Elevation 3557
16. Multiple N	17. Proposed Depth 4200	18. Formation San Andres	19. Contractor	20. Spud Date
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	11	8.625	24	1050	375	
Prod	7.875	5.5	17	4200	525	

**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: Electronically filed by Bobby Smith Title: Email Address: bobby.smith@apachecorp.com Date: 7/12/2013      Phone: 432-818-1020	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><b>OIL CONSERVATION DIVISION</b></td> </tr> <tr> <td colspan="2">Approved By: Paul Kautz</td> </tr> <tr> <td>Title: Geologist</td> <td>Approved Date: 7/16/2013      Expiration Date: 7/16/2015</td> </tr> <tr> <td colspan="2">Conditions of Approval Attached</td> </tr> </table>	<b>OIL CONSERVATION DIVISION</b>		Approved By: Paul Kautz		Title: Geologist	Approved Date: 7/16/2013      Expiration Date: 7/16/2015	Conditions of Approval Attached	
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Approved By: Paul Kautz									
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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, New Mexico 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025</b>	Pool Code <b>23000</b>	Pool Name <b>Eunice Monument; Grayburg - San Andres</b>
Property Code <b>302328</b>	Property Name <b>BERTHA J BARBER</b>	Well Number <b>19</b>
OGRID No. <b>873</b>	Operator Name <b>APACHE CORPORATION</b>	Elevation <b>3557'</b>

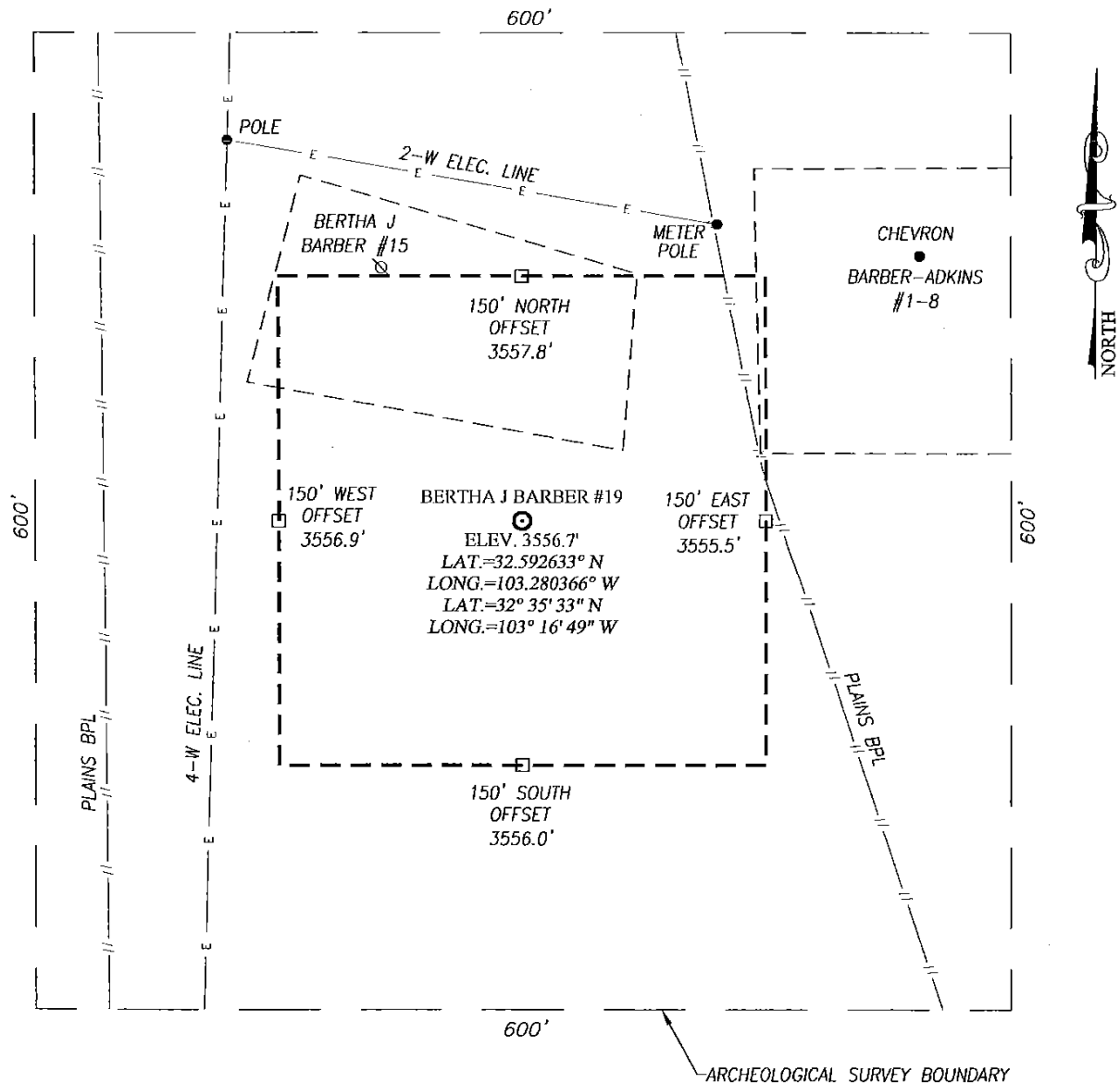
Surface Location									
UL or lot No. <b>D</b>	Section <b>8</b>	Township <b>20-S</b>	Range <b>37-E</b>	Lot Idn	Feet from the <b>820</b>	North/South line <b>NORTH</b>	Feet from the <b>415</b>	East/West line <b>WEST</b>	County <b>LEA</b>

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
Dedicated Acres <b>40</b>	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

	<p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=580916.8 N X=824305.2 E</p> <p>LAT.=32.592633° N LONG.=103.280366° W</p> <p>LAT.=32° 35' 33" N LONG.=103° 16' 49" W</p>		<p><b>OPERATOR CERTIFICATION</b></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>Kristina Agee</i> 7/12/13 Signature Date</p> <p><i>Kristina Agee</i> Printed Name</p> <p><i>Kristina.agee@apachecorp.com</i> E-mail Address</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>JUNE 5, 2013</p> <p>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor:</p>		<p><b>RONALD J. EIDSON</b> NEW MEXICO REG. 3239</p> <p><i>Ronald J. Eidson</i> 6/5/13 Certificate Number Date</p> <p>Gary G. Eidson 12641 Ronald J. Eidson 3239</p> <p>BKL PROFESSIONAL SURVEYOR WSC W.O.: 13.11.0638</p>

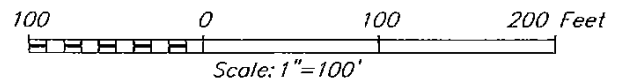
**SECTION 8, TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.**  
LEA COUNTY NEW MEXICO



**DIRECTIONS TO BERTHA J BARBER #19:**

FROM THE INTERSECTION OF STATE 322 AND CO. RD. 441 (MADDOX) GO SOUTH APPROX. 2.25 MILES ON CO. RD. 441; TURN LEFT (SOUTHEAST) AND GO APPROX. 0.1 MILE; ROAD VEERS LEFT (EAST) AND GO APPROX. 0.25 MILES TO INTERSECTION; TURN LEFT (NORTHEAST) AND GO APPROX. 0.1 MILE; ROAD VEERS RIGHT (EAST) AND GOES APPROX. 0.3 MILES; TURN RIGHT (SOUTHEAST) AND GO APPROX. 0.1 MILE; ROAD VEERS LEFT (SOUTHEAST) AND GO APPROX. 0.4 MILES; TURN LEFT (NORTH) AND GO APPROX. 0.3 MILES; TURN LEFT (WEST) AND GO 300 FEET (SOUTHWEST PAD CORNER BARBER-ADKINS #1-8) THIS STAKED LOCATION IS 40 FEET SOUTH AND 140 FEET WEST.

NOTE:  
SEE "LOCATION VERIFICATION MAP"  
FOR PROPOSED ROAD LOCATION.



**APACHE CORPORATION**

**BERTHA J BARBER #19 WELL**  
LOCATED 820 FEET FROM THE NORTH LINE  
AND 415 FEET FROM THE WEST LINE OF SECTION 8,  
TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO

Survey Date: 6/5/13	CAD Date: 6/14/13	Drawn By: BKL
W.O. No.: 13110638	Rev.:	Rel. W.O.:
		Sheet 1 of 1

PROVIDING SURVEYING SERVICES  
SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBS, N.M. 88240  
(575) 393-3117 www.jwsc.biz

## Permit Comments

Operator: APACHE CORP , 873  
Well: BERTHA J BARBER #019  
API: 30-025-41268

Created By	Comment	Comment Date
pkautz	Land p/P	7/12/2013
DMULL	OCD HOBBS OFFICE HAS RECEIVED FORM C-144CLEZ. OCD PERMIT NUMBER P1-08508.	7/16/2013

## Permit Conditions of Approval

Operator: APACHE CORP , 873  
Well: BERTHA J BARBER #019  
API: 30-025-41268

OCD Reviewer	Condition
pkautz	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	In order to seal off protectable water, surface casing must be set 25' below top of Rustler Anhydrite