

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 163201

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 30-025-41040
5. Property Name NORTH MONUMENT G/SA UNIT		6. Well No. 388

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	20	19S	37E	N	10	S	1360	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
N	20	19S	37E	N	10	S	1360	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 3626
16. Multiple N	17. Proposed Depth 4100	18. Formation San Andres	19. Contractor	20. Spud Date
Depth to Ground water 13		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000

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	1358	460	
Prod	7.875	5.5	17	4050	590	

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	OIL CONSERVATION DIVISION Approved By: Paul Kautz
Title: Email Address: bobby.smith@apachecorp.com Date: 2/28/2013	Title: Geologist Approved Date: 3/5/2013 Expiration Date: 3/5/2015 Conditions of Approval Attached

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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 August 1, 2011

**Submit one copy to appropriate
District Office**

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025	Pool Code 23000	Pool Name Eunice/Monument: Grayburg San Andres
Property Code 302708	Property Name NMGSAU	Well Number 388
OGRIID No. 873	Operator Name APACHE CORPORATION	Elevation 3626'

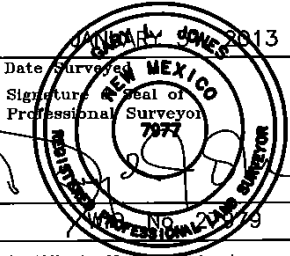
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	20	19 S	37 E		10	SOUTH	1360	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 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

<p>N: 602950.8 E: 823682.9 NAD 27</p>	<p>OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Vicki Brown</i> 2/27/13 Signature _____ Date _____</p> <p><u>Vicki Brown</u> Printed Name _____</p> <p><u>vicki.brown@apachecorp.com</u> Email Address _____</p>
<p>SURFACE LOCATION</p> <p>Lat - N 32°38'18.95" Long - W 103°16'39.95" NMSPCE- N 597667.1 E 866271.0 (NAD-83)</p> <p>Lat - N 32°38'18.51" Long - W 103°16'38.21" NMSPCE- N 597605.0 E 825089.3 (NAD-27)</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 style="text-align: right;">GARY L. JONES 2013</p> <p>Date Surveyed _____</p> <p>Signature _____</p> <p style="text-align: center;">  </p> <p>Certificate No. Gary L. Jones 7977</p>
<p>N: 597585.7 E: 823730.2 NAD 27</p> <p>1360'</p>	<p>N: 597621.8 E: 829012.0 NAD 27</p> <p style="text-align: right;">BASIN SURVEYS 27979</p>

SECTION 20, TOWNSHIP 19 SOUTH, RANGE 37 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

APACHE CORPORATION
NMGSAU #388
ELEV. - 3626'

Lat - N 32°38'18.95"
Long - W 103°16'39.95"
NMSPCE- N 597667.1
E 866271.0
(NAD-83)

Lat - N 32°38'18.51"
Long - W 103°16'38.21"
NMSPCE- N 597605.0
E 825089.3
(NAD-27)

150' WEST
OFF SET □
3625.8'

150' NORTH
OFF SET □
3626.7'

150' EAST
OFF SET □
3625.2'

150' SOUTH
OFF SET □
3624.6'

PROPOSED LEASE ROAD 663.3'

WELL IS LOCATED ±10 MILES SOUTHWEST OF HOBBS, NEW MEXICO.

200 0 200 400 FEET
SCALE: 1" = 200'

Directions to Location:

FROM THE JUNCTION OF HWY 62-180 AND MADDOX,
GO SOUTH 3.8 MILES TURNING EAST 1.3 MILES
TURNING SOUTH 0.3 MILES TO PROPOSED LEASE
ROAD.

BASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 27979 Drawn By: J. SMALL

Date: 02-11-2013 Disk: JMS 27979

APACHE CORPORATION

REF: NMGSAU #388 / WELL PAD TOPO

THE NMGSAU #388 LOCATED 10'
FROM THE SOUTH LINE AND 1360' FROM THE WEST LINE OF
SECTION 20, TOWNSHIP 19 SOUTH, RANGE 37 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

Survey Date: 01-31-2013 Sheet 1 of 1 Sheets

Permit Comments

Operator: APACHE CORP , 873

Well: NORTH MONUMENT G/SA UNIT #388

API: 30-025-41040

Created By	Comment	Comment Date
pkautz	Land p/P	2/28/2013
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT # P1-05842	3/5/2013

Permit Conditions of Approval

Operator: APACHE CORP , 873

Well: NORTH MONUMENT G/SA UNIT #388

API: 30-025-41040

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