

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 183586

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 30-025-41751
5. Property Name NORTH MONUMENT G/SA UNIT		6. Well No. 435

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	29	19S	37E		2498	S	180	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	29	19S	37E	H	2630	N	10	E	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 3614
16. Multiple N	17. Proposed Depth 4150	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	1300	450	0
Prod	7.875	5.5	17	3950	650	0

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 ☒ and/or 19.15.14.9 (B) NMAC ☒ , if applicable. Signature: _____ Printed Name: Bobby Smith Title: _____ Email Address: bobby.smith@apachecorp.com Date: 3/25/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 3/26/2014 Expiration Date: 3/26/2016 Conditions of Approval Attached
Phone: 432-818-1020	

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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

¹ API Number 30-25-	² Pool Code 23000	³ Pool Name Eunice Monument, Grayburg - San Andres
⁴ Property Code	⁵ Property Name NMGS AU	⁶ Well Number #435
⁷ OGRID No. 873	⁸ Operator Name APACHE CORPORATION	⁹ Elevation 3614.021

" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
9	29	19 S	37 E		2498	SOUTH	180	EAST	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
8	29	19 S	37 E		2630	NORTH	10	EAST	LEA

¹⁰ Dedicated Acres 40	¹¹ Joint or Infill	¹² Consolidation Code	¹³ Order No.
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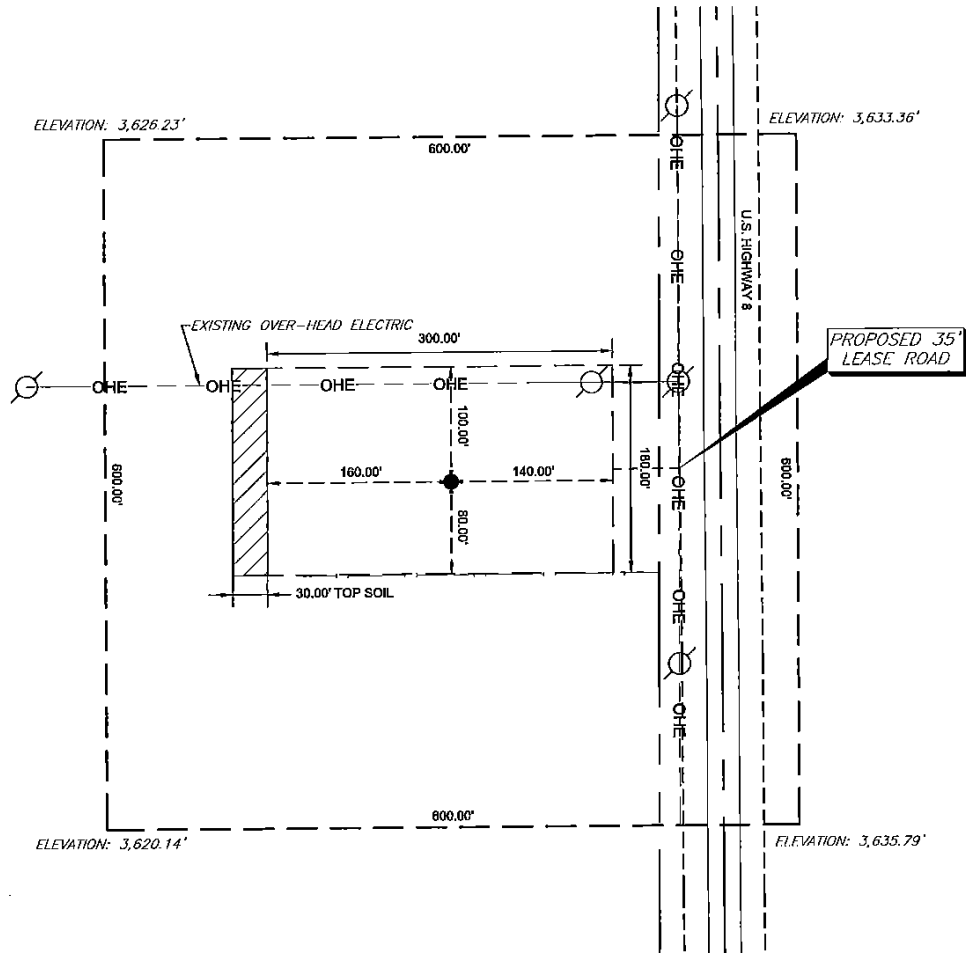
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SECTION 29, TOWNSHIP 19 SOUTH, RANGE 37 EAST P.1A.

FOUND 3 INCH IRON PIPE, MARKED "U.S. GENERAL LAND OFFICE" LAT: 32.638180N LONG: 103.262033W NUSPCE N: 597555.298 NUSPCE E: 823820.918 (N.A.D. 83) LAT: 32.638180N LONG: 103.262033W NUSPCE N: 597574.051 NUSPCE E: 864951.594 (N.A.D. 83)	FOUND 3 INCH IRON PIPE, MARKED "U.S. GENERAL LAND OFFICE" LAT: 32.638135N LONG: 103.264987W NUSPCE N: 597591.314 NUSPCE E: 828874.833 (N.A.D. 83) LAT: 32.638135N LONG: 103.264987W NUSPCE N: 597610.886 NUSPCE E: 870203.192 (N.A.D. 83)	" 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 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. <i>Michelle Cooper</i> 3-24-14 Signature Date <i>Michelle Cooper</i> Printed Name <i>michelle.cooper@apachecorp.com</i> E-mail Address
SURFACE LOCATION DD LAT: 32.638084N DD LONG: 103.265640W DMS LAT: 32°37'51.038"N DMS LONG: 103°15'58.308"W NUSPCE N: 594863.878 NUSPCE E: 828870.078 (N.A.D. 83) DD LAT: 32.638084N DD LONG: 103.265640W DMS LAT: 32°37'51.037"N DMS LONG: 103°15'58.305"W NUSPCE N: 594883.344 NUSPCE E: 870201.012 (N.A.D. 83)	BOTTOM HOLE LOCATION DD LAT: 32.631302N DD LONG: 103.265081W DMS LAT: 32°37'52.976"N DMS LONG: 103°15'54.300"W NUSPCE N: 595081.527 NUSPCE E: 828870.610 (N.A.D. 83) DD LAT: 32.631302N DD LONG: 103.265081W DMS LAT: 32°37'52.976"N DMS LONG: 103°15'54.299"W NUSPCE N: 595080.999 NUSPCE E: 870201.012 (N.A.D. 83)	"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. 10 MARCH 2014 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor 20559 Certificate Number

LEA COUNTY, NEW MEXICO

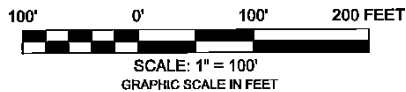
SECTION TWENTY-NINE (29), TOWNSHIP NINETEEN (19) SOUTH,
RANGE THIRTY-SEVEN (37) EAST OF THE PRINCIPAL MERIDIAN



COORDINATE TABLE				
WELL NAME	NORTHING (N.A.D. 27)	EASTING (N.A.D. 27)	NORTHING (N.A.D. 83)	EASTING (N.A.D. 83)
NMCSAU #435 SURFACE LOCATION & PENETRATION POINT	594863.878	828701.078	594883.344	870031.445
ELEVATION	LATITUDE (N.A.D. 27)	LONGITUDE (N.A.D. 27)	LATITUDE (N.A.D. 83)	LONGITUDE (N.A.D. 83)
3,614.021'	32.630843	-103.265640	32.630844	-103.265640

PREPARED FROM SURVEY
DATED: JANUARY 24, 2014

THE NMCSAU #435 IS LOCATED APPROXIMATELY 0.5
MILES NORTH OF
MONUMENT, NEW MEXICO

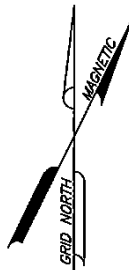


NOTES:

- 1.) BEARINGS & COORDINATES SHOWN HEREON ARE REFERENCED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, N.A.D. 27 & 83 DATUM (NEW MEXICO EAST ZONE) DERIVED FROM GPS OBSERVATIONS AND ARE BASED REFERENCE STATIONS - "E 148" - MALJAMARNE (1985)
- 2.) LATITUDE & LONGITUDE ARE NAD 83 & 27 GEOGRAPHIC.
- 3.) THIS IS AN WELL PLAT AND DOES NOT REPRESENT A TRUE BOUNDARY SURVEY. THIS SURVEY IS BASED ON OWNERSHIP AND EASEMENT INFORMATION PROVIDED BY APACHE CORPORATION. SURVEYOR DID NOT ABSTRACT SUBJECT TRACT AND THERE MAY BE EASEMENTS OR OTHER ENCUMBRANCES THAT AFFECT THE SUBJECT TRACT THAT ARE NOT SHOWN HEREON.



8205 Camp Bowie West, Suite 204
Fort Worth, Texas 76116
(817) 386-0362 ~ Fax (882) 224-3377



Apache

Location of

NMCSAU #435

Surface Location & Penetration Point: 2498' SNL & 180' FEL

Section 29, Township 19 South, Range 37 East of P.M.

Lea County, New Mexico

DRAWN BY: P.R.W.	DATE: 3-24-14	DWG. NO.	REV.
CHECKED BY:	DATE:	NMCSAU #435 WELL LOCATION	0
SCALE: 1" = 100'	APP:	PAGE 1 OF 1	

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Form APD Comments

Permit 183586

PERMIT COMMENTS

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705		API Number: 30-025-41751
		Well: NORTH MONUMENT G/SA UNIT #435
Created By	Comment	Comment Date
pkautz	Land s/S	3/25/2014

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Form APD Conditions

Permit 183586

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

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705	API Number: 30-025-41751
	Well: NORTH MONUMENT G/SA UNIT #435

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
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	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
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