

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 184903

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 30-025-41799
5. Property Name NORTH MONUMENT G/SA UNIT		6. Well No. 437

7. Surface Location

UL - Lot	A	Section	31	Township	19S	Range	37E	Lot Idn		Feet From	126	N/S Line	N	Feet From	1222	E/W Line	E	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	A	Section	31	Township	19S	Range	37E	Lot Idn	A	Feet From	126	N/S Line	N	Feet From	1222	E/W Line	E	County	Lea
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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 3582
16. Multiple N	17. Proposed Depth 3950	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	750	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: 4/18/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 4/21/2014 Expiration Date: 4/21/2016 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 30-025-		2 Pool Code 23000		3 Pool Name Eunice Monument; Grayburg-San Andres	
4 Property Code		5 Property Name NMGSAU		6 Well Number #437	
7 OGRID No. 873		8 Operator Name APACHE CORPORATION		9 Elevation 3582.205	

10 Surface Location

UL or lot no. 1	Section 31	Township 19 S	Range 37 E	Lot Idn	Feet from the 126	North/South line NORTH	Feet from the 1,222	East/West line EAST	County LEA
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11 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
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12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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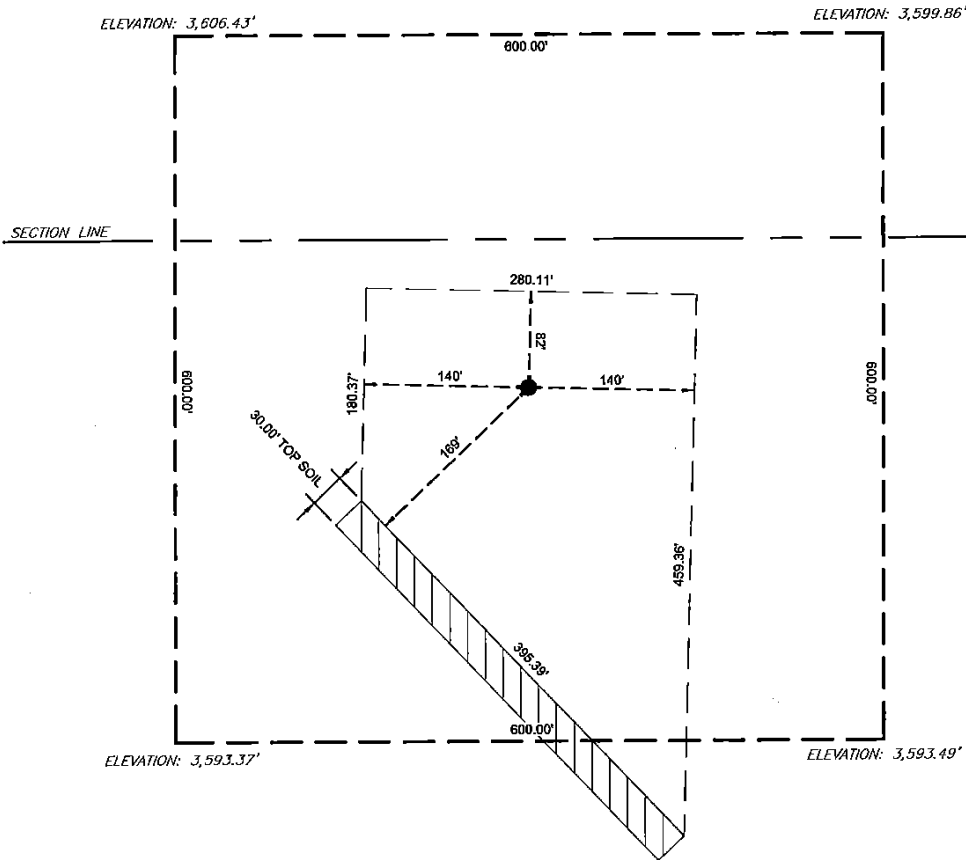
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SECTION 31, TOWNSHIP 19 SOUTH, RANGE 37 EAST P.M.

FOUND 3 INCH IRON PIPE, MARKED "U.S. GENERAL LAND OFFICE" BEAR: 8 025151" W & 345151" N LAT: 32.623386N LONG: 103.898550W NUSPCE N: 592710.681 NUSPCE E: 818593.605 (N.A.D. 83) LAT: 32.623918N LONG: 103.299032W NUSPCE N: 592727.801 NUSPCE E: 859775.574 (N.A.D. 83)												126' SL 1,222'												16 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 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 <i>Michelle Cooper</i> Date <i>4-18-14</i> Printed Name <i>Michelle Cooper</i> E-mail Address <i>michelle.cooper@apachecorp.com</i>											
4 3 5 6 7 8 9 10 11 12 13 14 15 16												17 SURFACE LOCATION DD LAT: 32.623473N DD LONG: 103.286088W DUS LAT: 32.3724.504"N DUS LONG: 103.173.953"W NUSPCE N: 592118.713 NUSPCE E: 822459.099 (N.A.D. 83) DD LAT: 32.623473N DD LONG: 103.286088W DUS LAT: 32.3724.504"N DUS LONG: 103.173.953"W NUSPCE N: 592118.713 NUSPCE E: 822459.099 (N.A.D. 83)												FOUND 3 INCH IRON PIPE, IN CONCRETE MONUMENT MARKED "NEW MEXICO STATE" LAT: 32.623658N LONG: 103.281650W NUSPCE N: 59300.452 NUSPCE E: 823797.813 (N.A.D. 83) LAT: 32.623760N LONG: 103.281320W NUSPCE N: 592162.580 NUSPCE E: 861979.781 (N.A.D. 83)											
5 6 7 8 9 10 11 12 13 14 15 16												18 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. Date of Survey <i>19 May 2014</i> Signature and Seal of Professional Surveyor <i>JERRY E. HUDSON</i> Certificate Number <i>20559</i>																							
12 11 10 9 8 7 6 5 4 3 2 1												FOUND 3 INCH IRON PIPE, MARKED "U.S. GENERAL LAND OFFICE" LAT: 32.609272N LONG: 103.298557W NUSPCE N: 586915.648 NUSPCE E: 818643.212 (N.A.D. 83) LAT: 32.609355N LONG: 103.298038W NUSPCE N: 586977.629 NUSPCE E: 859025.718 (N.A.D. 83)												FOUND 2 INCH IRON PIPE, SET IN CONCRETE MONUMENT LAT: 32.609259N LONG: 103.291577W NUSPCE N: 586982.328 NUSPCE E: 823871.580 (N.A.D. 83) LAT: 32.609302N LONG: 103.283053W NUSPCE N: 587024.430 NUSPCE E: 865053.887 (N.A.D. 83)											

LEA COUNTY, NEW MEXICO

SECTION THIRTY-ONE (31), 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)
NMGS AU #437 SURFACE LOCATION & PENETRATION POINT	592119.713	822429.099	592139.096	863759.603
ELEVATION	LATITUDE (N.A.D. 27)	LONGITUDE (N.A.D. 27)	LATITUDE (N.A.D. 83)	LONGITUDE (N.A.D. 83)
3,582.205'	32.623473	-103.286098	32.623473	-103.286098

PREPARED FROM SURVEY
DATED: MARCH 27, 2014



SCALE: 1" = 100'
GRAPHIC SCALE IN FEET

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 146" - MLLAMAR NE (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.



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

THE NMGS AU #437 IS LOCATED APPROXIMATELY 1.5
MILES WEST OF
MONUMENT, NEW MEXICO

Apache

Location of

NMGS AU #437

Surface Location & Penetration Point: 128' FNL & 1,222' FEL

Section 31, Township 19 South, Range 37 East of P.M

Lea County, New Mexico

DRAWN BY: P.R.W. DATE: 4-08-14
CHECKED BY: DATE:
SCALE: 1" = 100' APP.

DWG. NO.
NMGS AU #437 WELL LOCATION

REV.
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PAGE 1 OF 1

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Form APD Comments

Permit 184903

PERMIT COMMENTS

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705		API Number: 30-025-41799
		Well: NORTH MONUMENT G/SA UNIT #437

Created By	Comment	Comment Date
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Form APD Conditions

Permit 184903

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705	API Number: 30-025-41799
	Well: NORTH MONUMENT G/SA UNIT #437

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	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	SURFACE & PRODUCTION CASING - Cement must circulate to surface