

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8181 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 182827

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 30-025-41727
5. Property Name NORTH MONUMENT G/SA UNIT		6. Well No. 438

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	31	19S	37E		1310	N	2535	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	31	19S	37E	C	1310	N	2535	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 3577
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	1200	450	
Prod	7.875	5.5	17	3950	750	

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: 3/13/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 3/14/2014 Expiration Date: 3/14/2016 Conditions of Approval Attached
Phone: 432-818-1020	

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1220 S. St. Francis Dr., Santa Fe, NM 87505
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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 #438
⁷ OGRID No. 873		⁸ Operator Name APACHE CORPORATION			⁹ Elevation 3576.805

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
6	31	19 S	37 E		1,310	NORTH	2,535	WEST	LEA

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

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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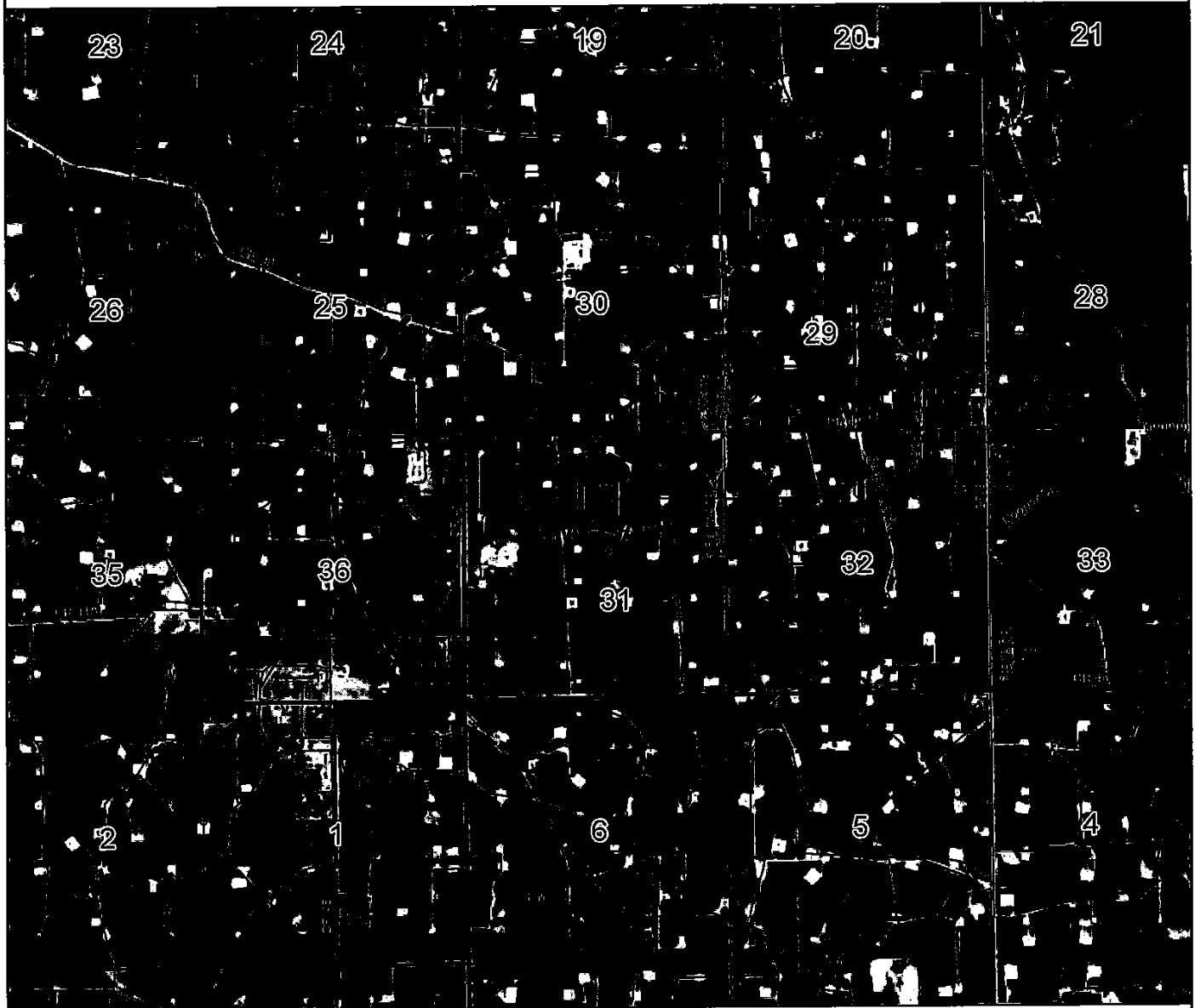
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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

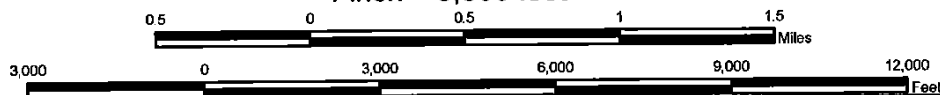
FOUND 3 INCH IRON PIPE, MARKED "U.S. GENERAL LAND OFFICE" BEARS N. 02°31'15" E. 3265.30' LAT: 32.623626N LONG: 103.298550W NMSPC N: 592110.681 NMSPC E: 814593.805 (N.A.D. 27) LAT: 32.623948N LONG: 103.299032W NMSPC N: 592272.901 NMSPC E: 859775.574 (N.A.D. 83)		FOUND 3 INCH IRON PIPE, IN CONCRETE MONUMENT MARKED "NEW MEXICO STATE" LAT: 32.623658N LONG: 103.298165W NMSPC N: 592200.452 NMSPC E: 823797.913 (N.A.D. 27) LAT: 32.623780N LONG: 103.292132W NMSPC N: 592262.580 NMSPC E: 864979.781 (N.A.D. 83)		17 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. <u>Michelle Cooper</u> 3-11-14 Signature Date <u>Michelle Cooper</u> Printed Name <u>michelle.cooper@apachecorp.com</u> E-mail Address
SURFACE LOCATION DD LAT: 32.620144N DD LONG: 103.290320W DMS LAT: 32°37'12.520"N DMS LONG: 103°17'25.153"W NMSPC N: 590895.763 NMSPC E: 821140.974 (N.A.D. 27) DD LAT: 32.620266N DD LONG: 103.290802W DMS LAT: 32°37'12.958"N DMS LONG: 103°17'26.886"W NMSPC N: 590957.931 NMSPC E: 862322.850 (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. 18 Feb 2014 Date of Survey <u>Jeffrey E. Hudson</u> Signature and Seal of Professional Surveyor 20559 Certificate Number		



NMGSAU 438
1310 FEET FNL, 2535 FEET FEL
SEC 31-19S-37E
LEA, NM

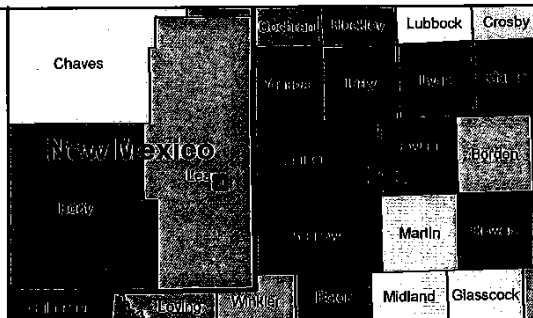


1 inch = 3,000 feet



Legend

- | | | | |
|--|--------------------|--|-----------------------|
| | 1mi Buffer | | Permit |
| | Apache Well | | Gas |
| | Counties | | Oil |
| | Townships | | Injection Well |
| | Sections | | Plugged and Abandoned |
| | BLM | | Plugged |
| | Private | | Shut-In Gas |
| | State | | Shut-In Oil |
| | Ownership Boundary | | Temporarily Abandoned |



NAD 1927 StatePlane
 New Mexico East FIPS 3001
 Projection: Transverse Mercator
 False Easting: 500000.000000
 False Northing: 0.000000
 Central Meridian: -104.333333
 Scale Factor: 0.999909
 Latitude Of Origin: 31.000000
 Linear Unit: Foot US

GCS North American 1927
 Datum: D North American 1927

Drawn By: Nicholas Tallant

Checked by:

Date: 2/23/2014

**Sheet
1 of 1**

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Form APD Comments
Permit 182827

PERMIT COMMENTS

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705		API Number: 30-025-41727
		Well: NORTH MONUMENT G/SA UNIT #438
Created By	Comment	Comment Date
pkautz	Land p/P	3/13/2014

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Form APD Conditions
 Permit 182827

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705		API Number: 30-025-41727
		Well: NORTH MONUMENT G/SA UNIT #438
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	1) SURFACE & INTERNEMATE 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	