

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) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

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 190787

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 313597		3. API Number 30-015-42600
5. Property Name RANGER STATE		6. Well No. 004

7. Surface Location

UL - Lot	A	Section	31	Township	17S	Range	28E	Lot Idn	Feet From	645	N/S Line	N	Feet From	250	E/W Line	E	County	Eddy
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8. Proposed Bottom Hole Location

UL - Lot	A	Section	31	Township	17S	Range	28E	Lot Idn	A	Feet From	990	N/S Line	N	Feet From	330	E/W Line	E	County	Eddy
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9. Pool Information

ARTESIA; GLORIETA-YESO (O)	96830
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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 3754
16. Multiple N	17. Proposed Depth 5300	18. Formation Yeso	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	400	200	
Prod	7.875	5.5	17	5300	700	

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: Electronically filed by Bobby Smith Title: _____ Email Address: bobby.smith@apachecorp.com Date: 8/19/2014	OIL CONSERVATION DIVISION Approved By: Randy Dade Title: District Supervisor Approved Date: 8/21/2014 Expiration Date: 8/21/2016 Conditions of Approval Attached
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Phone: (505) 476-3460 Fax: (505) 476-3462

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 30-015-	² Pool Code 96830	³ Pool Name Artesia; Glorieta - Yeso
⁴ Property Code	⁵ Property Name RANGER STATE	
⁶ OGRID No. 873	⁷ Operator Name APACHE CORPORATION	
		⁸ Well Number #4
		⁹ Elevation 3753.666

" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	31	17 S	28 E		645	NORTH	250	EAST	EDDY

" 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
1	31	17 S	28 E		990	NORTH	330	EAST	EDDY

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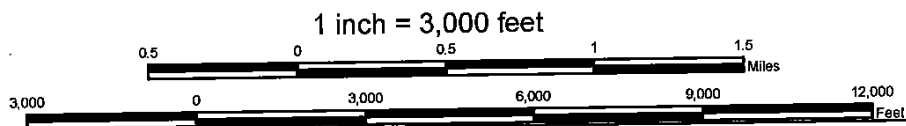
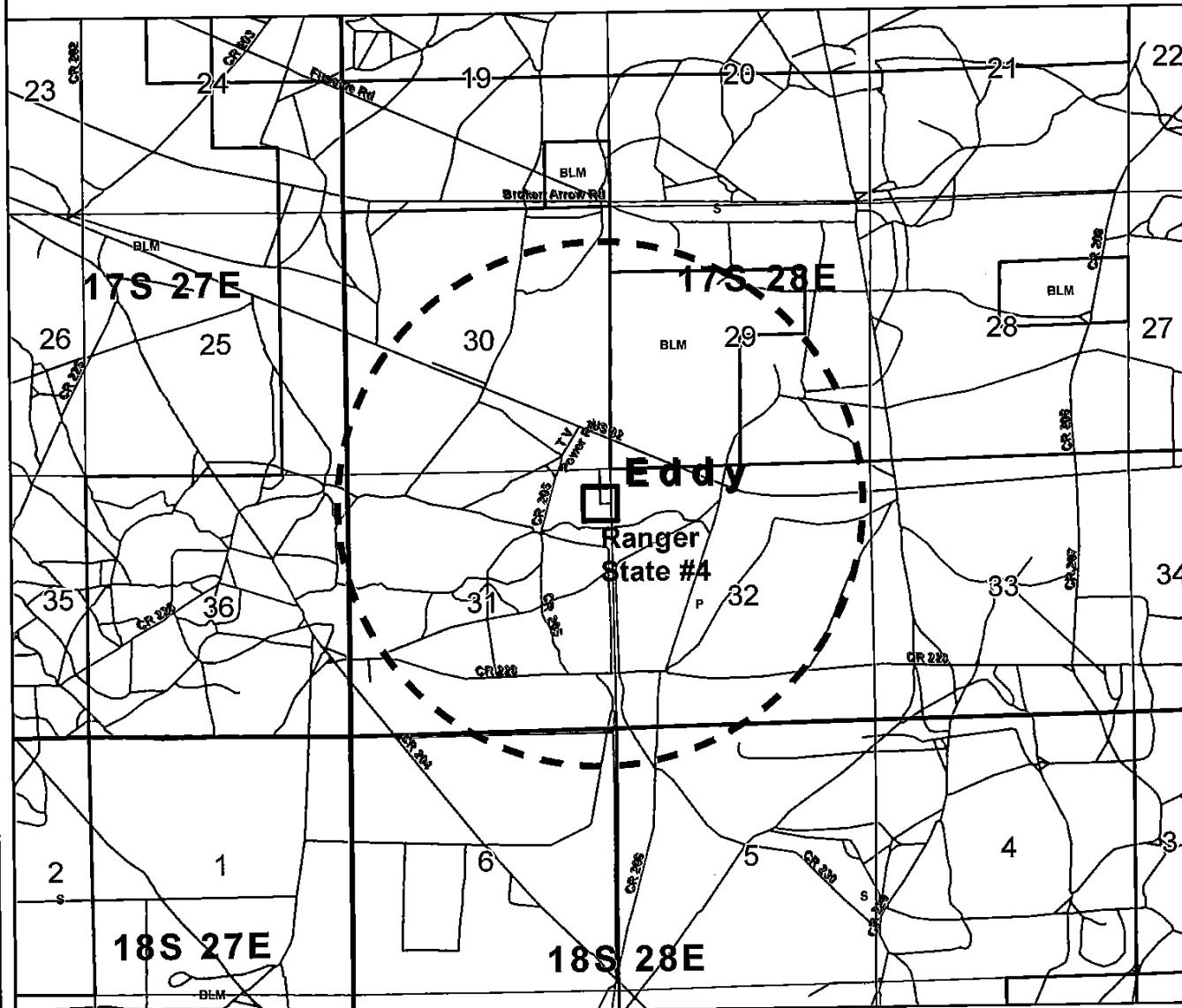
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SECTION 31, TOWNSHIP 17 SOUTH, RANGE 28 EAST P.M.

FOUND 3 INCH IRON PIPE, MARKED "U.S. GENERAL LAND OFFICE" LAT: 32.797505 N LONG: -104.223010 W NAD83 E: 533800.246 (N.A.D. 83) LAT: 32.79701523 N LONG: -104.22352308 W NAD83 E: 533823.978 (N.A.D. 83)	FOUND 3 INCH IRON PIPE, MARKED "U.S. GENERAL LAND OFFICE" LAT: 32.797581 N LONG: -104.205848 W NAD83 E: 533814.886 (N.A.D. 83) LAT: 32.7976863 N LONG: -104.20636105 W NAD83 E: 533852.830 (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 undivided 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> 8-13-14 Signature Date <i>Michelle Cooper</i> Printed Name <i>michelle.cooper@apachecorp.com</i> E-mail Address						
SURFACE HOLE TO BOTTOM HOLE LOCATION DEVIATION <table border="1"> <tr> <th>LINE</th> <th>BEARING</th> <th>DISTANCE</th> </tr> <tr> <td>L1</td> <td>S 12° 12' 17" W</td> <td>362.48</td> </tr> </table>		LINE	BEARING	DISTANCE	L1	S 12° 12' 17" W	362.48	" 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. 7-15-2014 Date of Survey <i>Jeffrey E. Hudson</i> Signature and Seal of Professional Surveyor
LINE	BEARING	DISTANCE						
L1	S 12° 12' 17" W	362.48						
FOUND 3 INCH IRON PIPE, MARKED "U.S. GENERAL LAND OFFICE" LAT: 32.797883 N LONG: -104.223028 W NAD83 E: 533831.444 (N.A.D. 83) LAT: 32.7970055 N LONG: -104.22343931 W NAD83 E: 533810.633 (N.A.D. 83)	SURFACE LOCATION DD LAT: 32.795803 N DD LONG: -104.206832 W DMS LAT: 32° 47' 44.800" N DMS LONG: 104° 12' 22.878" W NAD83 E: 533843.375 (N.A.D. 83) DD LAT: 32.79529033 N DD LONG: -104.20714508 W DMS LAT: 32° 47' 19.313" N DMS LONG: 104° 12' 25.722" W NAD83 E: 533811.185 (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. 7-15-2014 Date of Survey <i>Jeffrey E. Hudson</i> Signature and Seal of Professional Surveyor						
FOUND 3 INCH IRON PIPE, MARKED "U.S. GENERAL LAND OFFICE" LAT: 32.797883 N LONG: -104.223028 W NAD83 E: 533831.444 (N.A.D. 83) LAT: 32.7970055 N LONG: -104.22343931 W NAD83 E: 533810.633 (N.A.D. 83)	BOTTOM HOLE LOCATION DD LAT: 32.794858 N DD LONG: -104.206877 W DMS LAT: 32° 47' 41.482" N DMS LONG: 104° 12' 24.758" W NAD83 E: 533802.907 (N.A.D. 83) DD LAT: 32.79497099 N DD LONG: -104.20718058 W DMS LAT: 32° 47' 41.894" N DMS LONG: 104° 12' 26.800" W NAD83 E: 533855.852 (N.A.D. 83)	Jeffrey E. Hudson 20559 PROFESSIONAL SURVEYOR						
FOUND 100 D SPIKE NAIL LAT: 32.782985 N LONG: -104.205805 W NAD83 E: 533854.877 (N.A.D. 83) LAT: 32.78310078 N LONG: -104.20811763 W NAD83 E: 533814.014 (N.A.D. 83)	FOUND 100 D SPIKE NAIL LAT: 32.782985 N LONG: -104.205805 W NAD83 E: 533854.877 (N.A.D. 83) LAT: 32.78310078 N LONG: -104.20811763 W NAD83 E: 533814.014 (N.A.D. 83)	Certificate Number 20559						

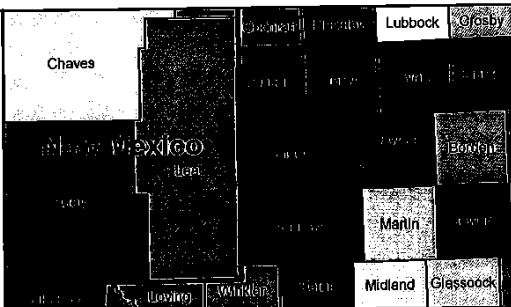


RANGER STATE #4
645' FNL, 250' FEL
SEC 31, T17S R28E
EDDY, NM



Legend

- | | | | |
|--|----------------------|--|-----------------------|
| | 1mi Buffer | | Permit |
| | Apache Well | | Gas |
| | Bottom Hole Location | | Oil |
| | Horizontal | | Injection Well |
| | BLM | | Plugged and Abandoned |
| | Private | | Plugged |
| | State | | Shut-in Gas |
| | Ownership Boundary | | Shut-in Oil |
| | | | 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: 7/17/2014

Sheet
 1 of 1

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Form APD Comments

Permit 190787

PERMIT COMMENTS

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705	API Number: 30-015-42600
	Well: RANGER STATE #004

Created By	Comment	Comment Date
CSHAPARD		8/14/2014
CSHAPARD	Land s/S	8/20/2014

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Form APD Conditions

Permit 190787

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705		API Number: 30-015-42600
		Well: RANGER STATE #004
OCD Reviewer	Condition	
CSHAPARD	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	