

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 201154

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 306627		3. API Number 30-025-42473
5. Property Name WARN STATE AC 2		6. Well No. 028

7. Surface Location

UL - Lot	D	Section	6	Township	18S	Range	35E	Lot Idn		Feet From	215	N/S Line	N	Feet From	1095	E/W Line	W	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	D	Section	6	Township	18S	Range	35E	Lot Idn	D	Feet From	330	N/S Line	N	Feet From	330	E/W Line	W	County	Lea
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9. Pool Information

VACUUM;WOLFCAMP	62340
VACUUM;ABO REEF	61780
VACUUM;UPPER PENN	62320

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3984
16. Multiple Y	17. Proposed Depth 10700	18. Formation Pennsylvanian	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	17.5	13.375	54.5	1450	1000	
Int1	11	8.625	32	5540	1400	
Prod	7.875	5.5	20	10700	1600	

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	OIL CONSERVATION DIVISION
Title: Email Address: bobby.smith@apachecorp.com Date: 3/11/2015 Phone: 432-818-1020	Approved By: Paul Kautz Title: Geologist Approved Date: 3/12/2015 Expiration Date: 3/12/2017 Conditions of Approval Attached

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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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-	Pool Code 62340	Pool Name Vacuum; WOLFCAMP
Property Code 306627	Property Name WARN STATE AC 2	Well Number 28
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3984'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	6	18-S	35-E		215	NORTH	1095	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
D	6	18-S	35-E		330	NORTH	330	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
17.43			

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

		NOTE: B.H., L.T.P. & F.T.P PLOTTED FROM THE DIRECTIONAL DRILLING COMPANY SURVEY REPORT DATED FEBRUARY 25, 2015	
32.78333 D 103.503889		32.78364 103.501389	
BOTTOM HOLE LOCATION NAD 27 NME Y= 649650.4 N X= 754943.6 E LAT.=32.783233° N LONG.=103.503804° W LAT.=32°47'00" N LONG.=103°30'14" W	LAST TAKE POINT NAD 27 NME Y= 649665.3 N X= 755040.9 E LAT.=32.783272° N LONG.=103.503487° W LAT.=32°47'00" N LONG.=103°30'13" W	FIRST TAKE POINT NAD 27 NME Y= 649679.0 N X= 755131.0 E LAT.=32.783307° N LONG.=103.503193° W LAT.=32°47'00" N LONG.=103°30'11" W	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 649767.2 N X= 755707.4 E LAT.=32.783537° N LONG.=103.501316° W LAT.=32°47'01" N LONG.=103°30'05" W
BOTTOM HOLE LOCATION NAD 83 NME Y= 649715.4 N X= 796122.7 E LAT.=32.783357° N LONG.=103.504300° W LAT.=32°47'00" N LONG.=103°30'15" W	LAST TAKE POINT NAD 83 NME Y= 649730.3 N X= 796220.0 E LAT.=32.783395° N LONG.=103.503983° W LAT.=32°47'00" N LONG.=103°30'14" W	FIRST TAKE POINT NAD 83 NME Y= 649744.1 N X= 796310.0 E LAT.=32.783431° N LONG.=103.503690° W LAT.=32°47'00" N LONG.=103°30'13" W	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 649832.2 N X= 796886.4 E LAT.=32.783661° N LONG.=103.501812° W LAT.=32°47'01" N LONG.=103°30'07" W
CORNER COORDINATES TABLE NAD 27 NME A - Y= 649979.6 N, X= 754610.6 E B - Y= 649982.5 N, X= 755851.1 E C - Y= 648657.9 N, X= 755864.7 E D - Y= 648656.0 N, X= 754622.7 E		CORNER COORDINATES TABLE NAD 83 NME A - Y= 650044.7 N, X= 795789.6 E B - Y= 650047.5 N, X= 797030.1 E C - Y= 648723.0 N, X= 797043.7 E D - Y= 648721.0 N, X= 795801.8 E	

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Michelle Cooper Date: 3-10-15

Printed Name: Michelle Cooper

E-mail Address: michelle.cooper@apachecorp.com

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: August 11, 2014

Signature & Seal of Professional Surveyor:

Certificate Number: 3239

Gary G. Eidson 12641
Ronald J. Eidson 3239

LSL REL. W.O.: 14.11.0665 JWSC W.O.: 15.13.0341

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Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-	Pool Code 61780	Pool Name Vacuum ;
Property Code 306627	Property Name WARN STATE AC 2	
OGRID No. 873	Operator Name APACHE CORPORATION	
		Well Number 28
		Elevation 3984'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	6	18-S	35-E		215	NORTH	1095	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
D	6	18-S	35-E		330	NORTH	330	WEST	LEA

Dedicated Acres 37.43	Joint or Infill	Consolidation Code	Order No.
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NOTE: B.H., L.T.P. & F.T.P. PLOTTED FROM THE DIRECTIONAL DRILLING COMPANY SURVEY REPORT DATED FEBRUARY 25, 2015

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BOTTOM HOLE LOCATION NAD 27 NME Y= 649650.4 N X= 754943.6 E LAT.=32.783233° N LONG.=103.503804° W LAT.=32°47'00" N LONG.=103°30'14" W	LAST TAKE POINT NAD 27 NME Y= 649699.4 N X= 755264.0 E LAT.=32.783360° N LONG.=103.502760° W LAT.=32°47'00" N LONG.=103°30'10" W	FIRST TAKE POINT NAD 27 NME Y= 649709.9 N X= 755332.7 E LAT.=32.783388° N LONG.=103.502537° W LAT.=32°47'00" N LONG.=103°30'09" W	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 649767.2 N X= 755707.4 E LAT.=32.783537° N LONG.=103.501316° W LAT.=32°47'01" N LONG.=103°30'05" W		
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OPERATOR CERTIFICATION

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Michelle Cooper 3-10-15
Signature Date
Michelle Cooper
Printed Name
michelle.cooper@apachecorp.com
E-mail Address

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.

AUGUST 11, 2014

Date of Survey
Signature of Professional Surveyor:

Ronald J. Eidson
Professional Surveyor
NEW MEXICO
3239
Certificate No. 12641
Ronald J. Eidson 3239

LSL REL. W.O.: 14.11.0665 JWSC W.O.: 15.13.0341

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API Number 30-025-	Pool Code 62320	Pool Name Vacuum, Upper PENN
Property Code 306627	Property Name WARN STATE AC 2	
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		Well Number 28
		Elevation 3984'

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Dedicated Acres 77.43	Joint or Infill	Consolidation Code	Order No.
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Michelle Cooper 3-10-15
Signature Date

Michelle Cooper
Printed Name

michelle.cooper@apachecorp.com
E-mail Address

SURVEYOR CERTIFICATION

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AUGUST 11, 2014
Date of Survey

Ronald J. Eidson
Signature

NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
3239

Ronald J. Eidson 8/10/2015
Certificate Number

Gary C. Eidson 12641
Ronald J. Eidson 3239

LSL REL. W.O.: 14.11.0665 JWSC W.O.: 15.13.0341

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Form APD Comments

 Permit 201154

PERMIT COMMENTS

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705		API Number: 30-025-42473
		Well: WARN STATE AC 2 #028
Created By	Comment	Comment Date
pkautz	Wolfcamp & Upper Penn pool have special pool rules requiring well to be with 200' of center of Q/Q	3/12/2015

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Form APD Conditions

Permit 201154

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705	API Number: 30-025-42473
	Well: WARN STATE AC 2 #028

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	Will require a administrative order for non-standard location prior to placing the well on production.
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	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water