

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 179952

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 302341		3. API Number 30-025-41611
5. Property Name MONUMENT ABO		6. Well No. 004

7. Surface Location

UL - Lot D	Section 2	Township 20S	Range 36E	Lot Idn	Feet From 990	N/S Line N	Feet From 660	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot D	Section 2	Township 20S	Range 36E	Lot Idn D	Feet From 990	N/S Line N	Feet From 660	E/W Line W	County Lea
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9. Pool Information

MONUMENT;ABO	46970
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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 3606
16. Multiple N	17. Proposed Depth 7800	18. Formation Abo	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	1085	425	
Prod	7.875	5.5	17	7800	1450	

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 Bobbv Smith Title: _____ Email Address: bobby.smith@apachecorp.com Date: 1/15/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 1/17/2014 Expiration Date: 1/17/2016 Conditions of Approval Attached
Phone: 432-818-1020	

DISTRICT I
1026 N. French Dr., Hobbs, NM 88240
Phone (505) 393-0101 Fax: (505) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (505) 394-0178 Fax: (505) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 394-0178 Fax: (505) 394-0170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3400 Fax: (505) 476-3400

State of New Mexico
Energy, Minerals and Natural Resources Department

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-	Pool Code 46970	Pool Name Monument, ABO
Property Code	Property Name MONUMENT ABO UNIT	Well Number 4
OGRID No. 873	Operator Name APACHE CORPORATION	Elevation 3606

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	2	20 S	36 E		990	NORTH	660	WEST	LEA

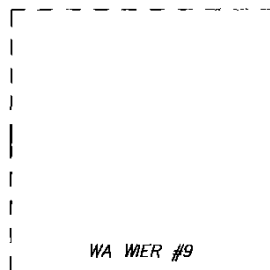
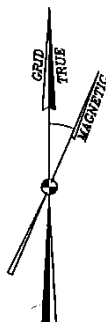
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40		Joint or Infill		Consolidation Code		Order No.			

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

Lat - N 32.363447° Long - W 103.200069° N: 586941.6 E: 849204.9 (NAD-83) Lat - N 32.363323° Long - W 103.200223° NMSPC - N 586879.3 E 808023.1 (NAD-27)	Lat - N 32.363449° Long - W 103.192977° N: 586968.3 E: 851849.9 (NAD-83) Lat - N 32.363325° Long - W 103.192910° NMSPC - N 586906.0 E 810668.0 (NAD-27)	Lat - N 32.363450° Long - W 103.185985° N: 586995.1 E: 854494.8 (NAD-83) Lat - N 32.363327° Long - W 103.185418° NMSPC - N 586932.9 E 813312.9 (NAD-27)	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> 1-15-14 Signature Date <i>Michelle Cooper</i> Printed Name <i>michelle.cooper@apachecorp.com</i> Email Address
SURFACE LOCATION Lat - N 32.362468° Long - W 103.195300° N: 585958.4 E: 849871.7 (NAD-83) Lat - N 32.362344° Long - W 103.194833° NMSPC - N 585898.1 E 808690.2 (NAD-27)			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. DECEMBER 19, 2013 Date Surveyed Signature: <i>James L. Jones</i> Professional Surveyor NEW MEXICO 7977 Certified to the State of New Mexico BASIN SURVEY 1977 PROFESSIONAL LAND SURVEYOR 0' 500' 1000' 1500' 2000' SCALE: 1" = 1000' WO Num.: 29894
Lat - N 32.354208° Long - W 103.200080° N: 581647.5 E: 849244.9 (NAD-83) Lat - N 32.354084° Long - W 103.199613° NMSPC - N 581585.3 E 808062.9 (NAD-27)		Lat - N 32.354218° Long - W 103.185899° N: 581707.6 E: 854533.1 (NAD-83) Lat - N 32.354095° Long - W 103.185432° NMSPC - N 581645.4 E 813351.0 (NAD-27)	

SECTION 2, TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



PROPOSED LEASE ROAD 428.0'

Lat - N 32.362618°
Long - W 103.195298°
NMSPC-E: 586108.4
E: 849872.1
(NAD-83)

150' NORTH
OFF SET
3605.8'

Lat - N 32.362469°
Long - W 103.195475°
NMSPC-E: 585958.4
E: 849722.1
(NAD-83)

150' WEST
OFF SET
3607.6'

WELL BORE
PROP WELL PAD

150' EAST
OFF SET
3604.4'

Lat - N 32.362468°
Long - W 103.195124°
NMSPC-E: 585958.4
E: 850022.2
(NAD-83)

150' SOUTH
OFF SET
3606.7'

Lat - N 32.362319°
Long - W 103.195301°
NMSPC-E: 585808.4
E: 849872.2
(NAD-83)

200 0 200 400 FEET

SCALE: 1" = 200'

HOBBS, NM IS ±12 MILES TO THE NORTHEAST OF LOCATION.

Directions to Location:

FROM JUNCTION AT MONUMENT, GO WEST TO MILE
MARKER 3, NORTH ON CHILDRESS ROAD 1.7 MILES,
THEN SOUTH ON LEASE ROAD TO WA WEIR #9.



P.O. Box 1786 (575) 393-7316 - Office
1120 N. West County Rd. (575) 392-2206 - Fax
Hobbs, New Mexico 88241 basin-surveys.com

REF: MONUMENT ABO UNIT #4 / WELL PAD TOPO

THE MONUMENT ABO UNIT #4 LOCATED 990' FROM
THE NORTH LINE AND 660' FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 20 SOUTH, RANGE 36 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

W.O. Number: 29894 Drawn By: K. NORRIS Date: 01-02-2014 Survey Date: 12-19-2013 Sheet 1 of 1 Sheets

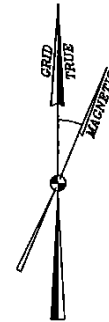
SECTION 2, TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

WA WIER #9

PROPOSED LEASE ROAD 428.0'

Lat - N 32.362616°
Long - W 103.195298°
NMSPC - N: 586108.4
E: 849872.1
(NAD-83)
Lat - N 32.362492°
Long - W 103.194831°
NMSPC - N 586046.1
E 808690.2
(NAD-27)

150' NORTH
OFF SET
3605.8'



Lat - N 32.362469°
Long - W 103.195475°
NMSPC - N: 585958.4
E: 849722.1
(NAD-83)
Lat - N 32.362345°
Long - W 103.195008°
NMSPC - N 585896.1
E 808640.2
(NAD-27)

150' WEST
OFF SET
3607.6'

WELL BORE
PROP WELL PAD

150' EAST
OFF SET
3604.4'

Lat - N 32.362466°
Long - W 103.195124°
NMSPC - N: 585958.4
E: 850022.2
(NAD-83)
Lat - N 32.362342°
Long - W 103.194657°
NMSPC - N 585896.1
E 808840.3
(NAD-27)

150' SOUTH
OFF SET
3606.7'

Lat - N 32.362319°
Long - W 103.195301°
NMSPC - N: 585808.4
E: 849872.2
(NAD-83)
Lat - N 32.362195°
Long - W 103.194834°
NMSPC - N 585746.1
E 808690.3
(NAD-27)

100 0 100 200 FEET
SCALE: 1" = 100'

Basins
EXPLORING WHAT'S POSSIBLE

REF: MONUMENT ABO UNIT #4 / WELL PAD TOPO

THE MONUMENT ABO UNIT #4 LOCATED 990' FROM
THE NORTH LINE AND 660' FROM THE WEST LINE OF
SECTION 2, TOWNSHIP 20 SOUTH, RANGE 36 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

Basins
SURVEYS
focused on excellence
in the oilfield

P.O. Box 1786 (575) 393-7316 - Office
1120 N. West County Rd. (575) 392-2206 - Fax
Hobbs, New Mexico 88241 basinsurveys.com

W.O. Number: 29894 Drawn By: K. NORRIS Date: 01-02-2014 Survey Date: 12-19-2013 Sheet 1 of 1 Sheets

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Form APD Comments

Permit 179952

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

PERMIT COMMENTS

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705	API Number: 30-025-41611
	Well: MONUMENT ABO #004

Created By	Comment	Comment Date
pkautz	ONGARD shows minerals to be Federal. Pete Martinez with NMSLO verified that it is Fee minerals and has been corrected in ONGARD	1/17/2014

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Santa Fe, NM 87505

Form APD Conditions

Permit 179952

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: APACHE CORP [873] 303 Veterans Airpark Lane Midland, TX 79705	API Number: 30-025-41611
	Well: MONUMENT ABO #004

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