

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 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 178045

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240		2. OGRID Number 228937
4. Property Code 40309		3. API Number 30-025-41586
5. Property Name PICKARD STATE		6. Well No. 001H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	20	18S	34E		699	S	1806	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	20	18S	34E	B	240	N	2265	E	Lea

9. Pool Information

MESCALERO ESCARPE;BONE SPRING	45793
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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 4053
16. Multiple N	17. Proposed Depth 14400	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 1/15/2014
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	1800	1800	0
Int1	12.25	9.625	36	5950	2400	0
Prod	8.75	5.5	20	14400	2400	4500

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	CAMERON
Double Ram	10000	10000	CAMERON
Pipe	10000	10000	CAMERON

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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Michael Ernest Title: Chief Engineer Email Address: mernest@matadorresources.com Date: 1/3/2014	Approved By: Paul Kautz Title: Geologist Approved Date: 1/6/2014 Expiration Date: 1/6/2016 Conditions of Approval Attached

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Sante Fe, NM 87505

☐ **AMENDED REPORT**

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name	⁶ Well Number
	QUERECHO PLAINS PICKARD 20-18-34	#1H
⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
	MATADOR PRODUCTION COMPANY	4053'

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	20	18-S	34-E	-	699'	SOUTH	1806'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	20	18-S	34-E	-	240'	NORTH	2265'	EAST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1927
X=731386
Y=633642
LAT.: N 32.7397183
LONG.: W 103.5808189

LAST PERFORATION POINT
NEW MEXICO EAST
NAD 1927
X=731387
Y=633552
LAT.: N 32.7394710
LONG.: W 103.5808183

FIRST PERFORATION POINT
NEW MEXICO EAST
NAD 1927
X=731432
Y=628699
LAT.: N 32.7261293
LONG.: W 103.5807830

BACK BUILD
NEW MEXICO EAST
NAD 1927
X=731432
Y=628699
LAT.: N 32.7261293
LONG.: W 103.5807830

SURFACE LOCATION
NEW MEXICO EAST
NAD 1927
X=731886
Y=629300
LAT.: N 32.7277737
LONG.: W 103.5792926

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.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

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 to the best of my belief.

Date of Survey _____
Signature _____ Seal of Professional Surveyor

11/06/2013
MICHAEL BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number _____

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Form APD Comments

Permit 178045

PERMIT COMMENTS

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240		API Number: 30-025-41586
		Well: PICKARD STATE #001H
Created By	Comment	Comment Date
pkautz	Land s/S	1/3/2014

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Form APD Conditions
 Permit 178045

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-025-41586
	Well: PICKARD STATE #001H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	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
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 & INTERMEDIATE 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