

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 240178

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

1. Operator Name and Address MARATHON OIL PERMIAN LLC 5555 San Felipe St. Houston, TX 77056		2. OGRID Number 372098
4. Property Code 319281		3. API Number 30-015-44380
5. Property Name CYPRESS FEE 23 27 9		6. Well No. 008H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	9	23S	27E		2143	S	310	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
I	9	23S	27E	I	2292	S	330	E	Eddy

9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3164
16. Multiple N	17. Proposed Depth 13500	18. Formation Wolfcamp	19. Contractor	20. Spud Date 8/30/2017
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	48	500	515	0
Int1	12.25	9.625	40	2400	880	0
Prod	8.75	7	29	9500	697	0
Liner1	6.125	4.5	11.6	13500	158	8542

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	10000	5000	Cameron
Annular	5000	2500	Townsend

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:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Melissa Szudera	Approved By: Raymond Podany
Title: Regulatory Compliance Representative	Title: Geologist
Email Address: mszudera@marathonoil.com	Approved Date: 8/11/2017 Expiration Date: 8/11/2019
Date: 8/9/2017 Phone: 701-260-7272	Conditions of Approval Attached

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

¹⁰ Dedicated Acres 320	¹¹ Joint or JWB	¹² Consolidation Code	¹³ Order No.
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OWNER COORDINATES		OWNER COORDINATES		"OPERATOR CERTIFICATION"	
NW1/4, SEC 10, T10N R10E 1 - N 47°34'51" E D 30484.81' 2 - N 60°04'59" E D 30484.91' 3 - N 17°04'53" E D 30479.24' 4 - N 47°28.50" E D 30460.93'		NW1/4, SEC 10, T10N R10E 1 - N 47°34'51" E D 30484.81' 2 - N 60°04'59" E D 30484.91' 3 - N 17°04'53" E D 30479.24' 4 - N 47°28.50" E D 30460.93'		I hereby certify that the information contained herein is true and complete, to the best of my knowledge, and I believe that this organization either owns a working interest or a substantial mineral interest in, and is holding the proposed bottom hole location or the rights thereto with itself or its licensee in a contract with an owner of such interest or working interest or its voluntary pooling agreement or a compulsory pooling order.	
SECTION 5		SECTION 4		SECTION 3	
SECTION 8		SECTION 9		SECTION 18	
SURFACE HOLE LOCATION NW1/4, SEC 10, T10N R10E NW1/4, SEC 10, T10N R10E 1 - N 60°04'59" E D 30484.91' 2 - N 17°04'53" E D 30479.24' 3 - N 47°34'51" E D 30484.81' 4 - N 47°28.50" E D 30460.93'		LAST TAP POINT/ BOTTOM HOLE LOCATION 2000' FSL 230' FSL NW1/4, SEC 10, T10N R10E 1 - N 60°04'59" E D 30484.91' 2 - N 17°04'53" E D 30479.24' 3 - N 47°34'51" E D 30484.81' 4 - N 47°28.50" E D 30460.93'		ACCEPTED BY ME (Signature) _____ Date: 8/4/17 Melissa Szudera District Office mszudera@marathonoil.com E-mail Address	
FIRST TAP POINT 2000' FSL 230' FSL NW1/4, SEC 10, T10N R10E 1 - N 60°04'59" E D 30484.91' 2 - N 17°04'53" E D 30479.24' 3 - N 47°34'51" E D 30484.81' 4 - N 47°28.50" E D 30460.93'		230' 250' 230'		230'	
SECTION 8		SECTION 9		SECTION 11	
SECTION 17		SECTION 16		SECTION 35	

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Form APD Comments

Permit 240178

PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056	API Number: 30-015-44380
	Well: CYPRESS FEE 23 27 9 #008H

Created By	Comment	Comment Date
jvancuren	First take is 9-23S-27E, 2320 FSL & 330 FWL, 32.31855595N, -104.20254794W	8/9/2017
jvancuren	6-1/8" pilot hole will be drilled from 7" casing shoe to 10,800' TVD. Pilot hole will be P&A and a cased hole whipstock will be set ~8,300'. A window will be milled and a lateral section will be drilled in the 3rd Bone Springs formation (TD: 13,300' MD)	8/9/2017
jvancuren	Pilot will be on the Cypress Fee 23-27-9 007H	8/9/2017

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Form APD Conditions

Permit 240178

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-015-44380
		Well: CYPRESS FEE 23 27 9 #008H
OCD Reviewer	Condition	
RPodany	Will require a directional survey with the C-104	
RPodany	Cement is required to circulate on both surface and intermediate1 strings of casing	