

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 240170

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 30-015-44379
5. Property Name CYPRESS FEE 23 27 9		6. Well No. 007H

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		2118	S	328	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

CARLSBAD;BONE SPRING, SOUTH	9670
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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 3164
16. Multiple N	17. Proposed Depth 13300	18. Formation Bone Spring	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	5.5	23	13300	1822	0

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

Oilfield
3625 N. Fourth St., Suite 100, NM 87505
Phone: (505) 762-1100 Fax: (505) 762-1101
Oilfield
311 S. East St., Suite 100, NM 87505
Phone: (505) 762-1100 Fax: (505) 762-1101
Oilfield
3000 N. Fourth St., Suite 100, NM 87505
Phone: (505) 762-1100 Fax: (505) 762-1101
Oilfield
1725 S. N. Fourth St., Suite 100, NM 87505
Phone: (505) 762-1100 Fax: (505) 762-1101

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. AFE Number	2. Well Code	3. Well Name
		BONE SPRINGS
4. Property Code	5. Property Name	6. Well Number
	CYPRESS FEE 23-27-9	7H
7. OGBID No.	8. Operator Name	9. Elevation
372098	MARATHON OIL PERMAN LLC	3164

* Surface Location

10. U.T. or Lat. & Long.	11. Section	12. Township	13. Range	14. Lot	15. Feet from the	16. North/South Line	17. Feet from the	18. East/West Line	19. County
L	9	T23S	R27E	2118'		SOUTH	328'	WEST	EDDY

* Bottom Hole Location If Different From Surface

20. U.T. or Lat. & Long.	21. Section	22. Township	23. Range	24. Lot	25. Feet from the	26. North/South Line	27. Feet from the	28. East/West Line	29. County
I	9	T23S	R27E	2292'		SOUTH	330'	EAST	EDDY
30. Dedicated Acres	31. Joint or Leased	32. Consolidation Code	33. Order No.						
160									

No allowance will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SECTION 5 SECTION 8 CORNER COORDINATES NAD 83, SPCS NM EAST A = N 47°04'27" E / D 58463.97 B = N 47°04'27" E / D 58463.97 C = N 47°04'27" E / D 58463.97 D = N 47°04'27" E / D 58463.97		SECTION 4 SECTION 9 CORNER COORDINATES NAD 83, SPCS NM EAST A = N 47°04'27" E / D 58463.97 B = N 47°04'27" E / D 58463.97 C = N 47°04'27" E / D 58463.97 D = N 47°04'27" E / D 58463.97		SECTION 3 SECTION 13 CORNER COORDINATES NAD 83, SPCS NM EAST A = N 47°04'27" E / D 58463.97 B = N 47°04'27" E / D 58463.97 C = N 47°04'27" E / D 58463.97 D = N 47°04'27" E / D 58463.97	
SECTION 6 SECTION 17 SURFACE HOLE LOCATION NAD 83, SPCS NM EAST X: 505773.12 / Y: 1479445.30 LAT: 35°03'00.00N / LONG: 105°05'00.00W NAD 83, SPCS NM EAST X: 505773.12 / Y: 1479445.30 LAT: 35°03'00.00N / LONG: 105°05'00.00W		SECTION 7 SECTION 16 LAST TIME POINT NAD 83, SPCS NM EAST X: 505773.12 / Y: 1479445.30 LAT: 35°03'00.00N / LONG: 105°05'00.00W NAD 83, SPCS NM EAST X: 505773.12 / Y: 1479445.30 LAT: 35°03'00.00N / LONG: 105°05'00.00W		SECTION 10 SECTION 15 LAST TIME POINT NAD 83, SPCS NM EAST X: 505773.12 / Y: 1479445.30 LAT: 35°03'00.00N / LONG: 105°05'00.00W NAD 83, SPCS NM EAST X: 505773.12 / Y: 1479445.30 LAT: 35°03'00.00N / LONG: 105°05'00.00W	
Diagram showing well location and acreage dedication plat. The diagram includes a grid of sections (3, 4, 5, 6, 7, 8, 9, 10, 13, 16, 17) and a well location marked with a star. The well is located in Section 4, Township T23S, Range R27E, Lot 2118'. The well is named BONE SPRINGS 7H. The diagram also shows the surface location and bottom hole location of the well. The surface location is marked with a star and the bottom hole location is marked with a circle. The diagram includes a scale bar and a north arrow.					
* 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 report was prepared by me or by a person under my supervision and that the name is true and correct to the best of my belief. Signature: <i>Melissa Szudera</i> Date: 8/4/17 Printed Name: Melissa Szudera E-mail Address: mszudera@marathonoil.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 name is true and correct to the best of my belief. AUGUST 04, 2017 Date of Survey Signature and Seal of Professional: <i>LLOYD R. SHORT</i> Certificate Number: LLOYD					

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Form APD Comments

Permit 240170

PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-015-44379
		Well: CYPRESS FEE 23 27 9 #007H

Created By	Comment	Comment Date
jvancuren	First take is L-9-23S-27E, 2320 FSL & 330 FWL	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

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Form APD Conditions

Permit 240170

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-015-44379
		Well: CYPRESS FEE 23 27 9 #007H
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	