

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 243465

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 319794		3. API Number 30-015-44505
5. Property Name BLACK RIVER 374 STATE 24 27 15 WA		6. Well No. 008H

7. Surface Location

UL - Lot N	Section 15	Township 24S	Range 27E	Lot Idn N	Feet From 271	N/S Line S	Feet From 1906	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot C	Section 15	Township 24S	Range 27E	Lot Idn C	Feet From 330	N/S Line N	Feet From 2319	E/W Line W	County Eddy
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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 State	15. Ground Level Elevation 3223
16. Multiple N	17. Proposed Depth 13871	18. Formation Wolfcamp	19. Contractor	20. Spud Date 10/30/2017
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	54.5	440	500	0
Int1	12.25	9.625	40	2300	800	0
Prod	8.75	7	29	9200	920	0
Liner1	6.125	4.5	13.5	13871	600	8750

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	Shaffer
Double Ram	5000	5000	Shaffer

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: 10/26/2017 Expiration Date: 10/26/2019
Date: 10/24/2017 Phone: 701-260-7272	Conditions of Approval Attached

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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 API Number		2 Pool Code		3 Pool Name PURPLE SAGE; WOLFCAMP	
4 Property Code		5 Property Name BLACK RIVER 374 STATE 24-27-15 WA			6 Well Number 8H
7 OGRID No. 372098		8 Operator Name MARATHON OIL PERMIAN LLC			9 Elevation 3223'

* Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	15	T24S	R27E		271'	SOUTH	1906'	WEST	EDDY

" 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
C	15	T24S	R27E		330'	NORTH	2319	WEST	EDDY

10 Dedicated Acres	11 Joint or Infill	12 Consolidation Code	13 Order No.
320			

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.

SECTION 9 SECTION 16 2319' SECTION 15 SECTION 10 SECTION 11 SECTION 14 SECTION 13 SECTION 12 SECTION 11 SECTION 10 SECTION 9 SECTION 8 SECTION 7 SECTION 6 SECTION 5 SECTION 4 SECTION 3 SECTION 2 SECTION 1 SECTION 16 2273' 1906' SECTION 15 SECTION 14 SECTION 13 SECTION 12 SECTION 11 SECTION 10 SECTION 9 SECTION 8 SECTION 7 SECTION 6 SECTION 5 SECTION 4 SECTION 3 SECTION 2 SECTION 1 SECTION 16 2273' 1906' SECTION 15 SECTION 14 SECTION 13 SECTION 12 SECTION 11 SECTION 10 SECTION 9 SECTION 8 SECTION 7 SECTION 6 SECTION 5 SECTION 4 SECTION 3 SECTION 2 SECTION 1		CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 445453.95 / X: 585546.74 B - Y: 445423.66 / X: 589198.69 C - Y: 445159.23 / X: 589132.63 D - Y: 443164.88 / X: 586532.61 LAST TAKE POINT/BOTTOM HOLE LOCATION 330' FSL 2273' FVL, SECTION 15 NAD 83, SPCS NM EAST Y: 445597.71 / X: 588864.57 LAT: 32.22305559N / LON: 104.17964829W NAD 83, SPCS NM EAST Y: 445303.51 / X: 584760.15 LAT: 32.22343663N / LON: 104.1794362W FIRST TAKE POINT 330' FSL 2273' FVL, SECTION 15 NAD 83, SPCS NM EAST Y: 444489.54 / X: 588865.76 LAT: 32.21899528N / LON: 104.17984803W NAD 83, SPCS NM EAST Y: 444043.182 / X: 584762.86 LAT: 32.21877040N / LON: 104.17935217W SURFACE HOLE LOCATION 271' FSL 1906' FVL, SECTION 15 NAD 83, SPCS NM EAST Y: 444431.47 / X: 5888439.30 LAT: 32.21073112N / LON: 104.18103679W NAD 83, SPCS NM EAST Y: 4446373.36 / X: 5847256.48 LAT: 32.21861101N / LON: 104.18054030W CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 445397.77 / X: 545363.97 B - Y: 445365.44 / X: 548015.07 C - Y: 445111.12 / X: 547949.72 D - Y: 444166.80 / X: 545349.75		" 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 indirect 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 has a voluntary pooling agreement or a compulsory pooling order heretofore issued by the division. Signature: <i>Melissa Szudera</i> Date: 10/24/2017 Printed Name: <i>Melissa Szudera</i> E-mail Address: <i>mszudera@marathonoil.com</i> " 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. OCTOBER 13, 2017 Date of Survey Signature and Seal of Professional Surveyor: <i>Lloyd P. Short</i> Certificate Number: 21653 LLOYD P. SHORT NEW MEXICO 21653 PROFESSIONAL SURVEYOR	
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Form APD Comments

Permit 243465

PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056	API Number: 30-015-44505
	Well: BLACK RIVER 374 STATE 24 27 15 WA #008H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 243465

PERMIT CONDITIONS OF APPROVAL

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		Well: BLACK RIVER 374 STATE 24 27 15 WA #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