

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 243468

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 319795		3. API Number 30-015-44506
5. Property Name BLACK RIVER 374 STATE 24 27 15 TB		6. Well No. 010H

7. Surface Location

UL - Lot N	Section 15	Township 24S	Range 27E	Lot Idn N	Feet From 271	N/S Line S	Feet From 1856	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

WILLOW LAKE;BONE SPRING,WEST	96415
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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 13770	18. Formation Bone Spring	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	13770	660	8500

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

SECTION 9 SECTION 16 2319'	SECTION 10 SECTION 15 2319'	CORNER COORDINATES MAD 83, SPCS NM EAST A - Y: 445439.88 / X: 587072.72 B - Y: 445423.66 / X: 589198.69 C - Y: 440292.23 / X: 589132.63 D - Y: 441622.85 / X: 587832.62	"OPERATOR CERTIFICATION" <i>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 advises 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 its owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the state.</i>  Date: 10/24/2017 Signature: <u>Melissa Szudera</u> Printed Name: <u>mszudera@marathon</u> E-mail Address: <u>oil.com</u>
SECTION 16 2319'	SECTION 15 2319'	LAST TAKE POINT/BOTTOM HOLE LOCATION 330' FSL 2319' F.V.L, SECTION 15 MAD 83, SPCS NM EAST Y445397.71 / X58886.53 LAT0222505659N / LONG0417964629W MAD 27, SPCS NM EAST Y445220.31 / X547681.75 LAT0222343663N / LONG0417964361W	SECTION 11 SECTION 14
SECTION 16 2319'	SECTION 15 2319'	FIRST TAKE POINT 330' FSL 2273' F.V.L, SECTION 15 MAD 83, SPCS NM EAST Y448489.94 / X588936.76 LAT0220699352N / LONG0417904853W MAD 27, SPCS NM EAST Y448431.82 / X547623.86 LAT0221877040N / LONG0417933251W	SECTION 11 SECTION 14
SECTION 16 2319'	SECTION 15 2319'	SURFACE HOLE LOCATION 277' FSL 1836' F.V.L, SECTION 15 MAD 83, SPCS NM EAST Y440431.43 / X588289.30 LAT0221073179N / LONG0418019871W MAD 27, SPCS NM EAST Y440373.32 / X547295.40 LAT0221861659N / LONG0418078236W	SECTION 11 SECTION 14
SECTION 16 2319'	SECTION 15 2319'	CORNER COORDINATES MAD 27, SPCS NM EAST A - Y: 445385.68 / X: 546689.92 B - Y: 445365.44 / X: 548035.87 C - Y: 440006.12 / X: 547949.72 D - Y: 440003.95 / X: 546649.73	SECTION 11 SECTION 14

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Form APD Comments

Permit 243468

PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-015-44506
		Well: BLACK RIVER 374 STATE 24 27 15 TB #010H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 243468

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-015-44506
		Well: BLACK RIVER 374 STATE 24 27 15 TB #010H
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	