

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 278790

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
		3. API Number 30-015-47080
4. Property Code	5. Property Name NEMESIS 7 WXY FEE	6. Well No. 003H

7. Surface Location

UL - Lot P	Section 18	Township 23S	Range 28E	Lot Idn	Feet From 1101	N/S Line S	Feet From 691	E/W Line E	County EDDY
---------------	---------------	-----------------	--------------	---------	-------------------	---------------	------------------	---------------	----------------

8. Proposed Bottom Hole Location

UL - Lot B	Section 18	Township 23S	Range 28E	Lot Idn B	Feet From 100	N/S Line N	Feet From 1650	E/W Line E	County Eddy
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	----------------

9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
----------------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3056
16. Multiple N	17. Proposed Depth 19753	18. Formation Wolfcamp	19. Contractor	20. Spud Date 8/14/2020
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	460	356	0
Int1	12.25	9.625	36	2500	830	0
Prod	8.75	5.5	20	19752	3920	2100

Casing/Cement Program: Additional Comments

--

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	2500	
Blind	5000	5000	
Pipe	5000	5000	
Double Ram	5000	5000	

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.	OIL CONSERVATION DIVISION
Signature:	
Printed Name: Electronically filed by Melissa Szudera	Approved By: 
Title: Regulatory Compliance Representative	Title: Geologist
Email Address: mszudera@marathonoil.com	Approved Date: 05-06-2020
Date: 4/13/2020	Expiration Date: 05-06-2022
Phone: 713-296-3179	Conditions of Approval Attached

NSL Required