

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8181 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 262125

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 30-015-45653
4. Property Code 324910	5. Property Name MAZER RACKHAM 20 WB FEE	6. Well No. 005

7. Surface Location

UL - Lot A	Section 20	Township 26S	Range 29E	Lot Idn	Feet From 966	N/S Line N	Feet From 570	E/W Line E	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot A	Section 20	Township 26S	Range 29E	Lot Idn A	Feet From 150	N/S Line N	Feet From 658	E/W Line E	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 Private	15. Ground Level Elevation 2872
16. Multiple N	17. Proposed Depth 9270	18. Formation Wolfcamp	19. Contractor	20. Spud Date 2/11/2019
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	400	418	0
Int1	12.25	9.625	40	2700	801	0
Prod	8.75	7	29	9270	816	0

Casing/Cement Program: Additional Comments

6 1/8" Pilot Hole will be drilled from 7" casing shoe to 12993' MD (12924' TVD) with OBM. Pilot hole will be P&A with cement tied into the 7" casing. The rig will move off location after the P&A operations completed. Evaluation of the logs will be done to consider landing depth of a potential 6 1/8" lateral in the future.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	2500	
Double Ram	5000	5000	
Pipe	5000	5000	
Blind	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: Raymond Podany		
Title: Regulatory Compliance Representative	Title: Geologist		
Email Address: mszudera@marathonoil.com	Approved Date: 1/25/2019	Expiration Date: 1/25/2021	
Date: 1/15/2019	Phone: 701-260-7272	Conditions of Approval Attached	

Well cannot be spud until new bonding requirements are met.

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1-26-19