

District I1625 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 271586

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 30-015-46246
4. Property Code 326076	5. Property Name THOR 28 WXY FEE	6. Well No. 001H

7. Surface Location

UL - Lot M	Section 28	Township 23S	Range 28E	Lot Idn	Feet From 612	N/S Line S	Feet From 1252	E/W Line W	County EDDY
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8. Proposed Bottom Hole Location

UL - Lot C	Section 28	Township 23S	Range 28E	Lot Idn C	Feet From 330	N/S Line N	Feet From 2334	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 Private	15. Ground Level Elevation 3083
16. Multiple N	17. Proposed Depth 14309	18. Formation Wolfcamp	19. Contractor	20. Spud Date 1/1/2020
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	350	366	0
Int1	12.25	9.625	36	2500	725	0
Prod	8.75	7	29	9923	708	2200
Liner1	6.125	4.5	13.5	14309	470	8900

Casing/Cement Program: Additional Comments

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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 ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

OIL CONSERVATION DIVISION

Signature:		Approved By: <i>Raymond H. Jordan</i>	
Printed Name: <i>Adrian</i>		Title: <i>Geologist</i>	
Email Address:		Approved Date: <i>9-10-19</i> Expiration Date: <i>9-10-21</i>	
Date:	Phone:	Conditions of Approval Attached	

Orig. Electronic Submittal
Resubmitted For GCP entry problems
9-10-19