

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 246087

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 319789		3. API Number 30-015-44607
5. Property Name HERMES FEE 23 28 30 WA		6. Well No. 010H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	30	23S	28E	P	368	S	738	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	30	23S	28E	A	330	N	330	E	Eddy

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 3205
16. Multiple N	17. Proposed Depth 14100	18. Formation Wolfcamp	19. Contractor	20. Spud Date 12/25/2017
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	550	575	0
Int1	12.25	9.625	40	2500	877	0
Prod	8.75	7	29	9800	1012	0
Liner1	6.125	4.5	13.5	14100	522	8900

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	2500	Shaffer
Double Ram	10000	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: 12/28/2017 Expiration Date: 12/28/2019
Date: 12/20/2017 Phone: 701-260-7272	Conditions of Approval Attached

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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 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code	⁵ Property Name HERMES FEE 23-28-30 WA	⁶ Well Number 10H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN, LLC	⁹ Elevation 3205

¹⁰ Surface Location

RL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	30	T23S	R28E		368	SOUTH	738	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

RL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	30	T23S	R28E		330	NORTH	330	EAST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 24 SECTION 25 SECTION 26 SECTION 27 SECTION 28 SECTION 29 SECTION 30 SECTION 31 SECTION 32	SECTION 19 SECTION 30 SECTION 31 SECTION 32	LAST TAKE POINT/BOTTOM HOLE LOCATION 330' FSL 330' FEL NAD 83, SPCS NM EAST X:607315.51' / Y:466539.22' LAT:32.28246903N / LONG:104.12918891W NAD 83, SPCS NM EAST X:606332.81' / Y:466488.28' LAT:32.28228958N / LONG:104.11865287W FIRST TAKE POINT 330' FSL 330' FEL NAD 83, SPCS NM EAST X:607315.51' / Y:466539.22' LAT:32.28246903N / LONG:104.12918891W NAD 83, SPCS NM EAST X:606332.81' / Y:466488.28' LAT:32.28228958N / LONG:104.11865287W SURFACE HOLE LOCATION 368' FSL 738' FEL NAD 83, SPCS NM EAST X:607315.51' / Y:466539.22' LAT:32.28246903N / LONG:104.12918891W NAD 83, SPCS NM EAST X:606332.81' / Y:466488.28' LAT:32.28228958N / LONG:104.11865287W CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 60595.28' / Y: 466881.59' B - X: 60704.23' / Y: 466867.47' C - X: 60701.09' / Y: 461589.49' D - X: 605291.88' / Y: 461587.35' CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 564812.62' / Y: 466822.68' B - X: 566661.13' / Y: 466808.52' C - X: 566688.27' / Y: 461521.38' D - X: 564819.19' / Y: 461528.52'	17 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 substantial 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>[Signature]</i> Date: 12/19/2017 Printed Name: Melissa Szudera Email Address: mszudera@marathonoil.com 18 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. Date of Survey: NOVEMBER 29, 2017 Signature and Seal of Professional Surveyor: <i>[Signature]</i> Certificate Number: LLOYD P. SHORT 21653
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Form APD Comments

Permit 246087

PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-015-44607
		Well: HERMES FEE 23 28 30 WA #010H
Created By	Comment	Comment Date
MSZUDERA	Directional, Plats and GCP will be submitted by email.	12/19/2017

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Form APD Conditions

Permit 246087

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-015-44607
		Well: HERMES FEE 23 28 30 WA #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	
RPodany	Must be in compliance with 5.9 inactive well count	