

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 247050

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 320615		3. API Number 30-015-44627
5. Property Name GRAVEL GRINDER FEE 23 28 18 WXY		6. Well No. 003H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	18	23S	28E	4	353	S	1265	W	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	18	23S	28E	D	330	N	330	W	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 3080
16. Multiple N	17. Proposed Depth 14094	18. Formation Wolfcamp	19. Contractor	20. Spud Date 1/19/2018
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	400	0
Int1	12.25	9.625	40	2390	700	0
Prod	8.75	7	29	9400	900	0
Liner1	6.125	4.5	13.5	14100	400	8200

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: 1/17/2018 Expiration Date: 1/17/2020
Date: 1/12/2018 Phone: 701-260-7272	Conditions of Approval Attached

SECTION 12	SECTION 7	SECTION 8
SECTION 13 SECTION 14 SECTION 15 SECTION 16 SECTION 17 SECTION 18 SECTION 19 SECTION 20	SECTION 1 SECTION 2 SECTION 3 SECTION 4 SECTION 5 SECTION 6 SECTION 7 SECTION 8 SECTION 9 SECTION 10 SECTION 11 SECTION 12 SECTION 13 SECTION 14 SECTION 15 SECTION 16 SECTION 17 SECTION 18 SECTION 19 SECTION 20	SECTION 21 SECTION 22 SECTION 23 SECTION 24 SECTION 25 SECTION 26 SECTION 27 SECTION 28 SECTION 29 SECTION 30

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 undivided mineral interest in the land including the proposed location of the well or has a right to drill this well on 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, and/or as required by the statute.

Signature: Melissa Szudera Date: 01/12/2018

Printed Name: Melissa Szudera

E-mail Address: mszudera@marathonoil.com

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plot 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.

JANUARY 11, 2018

Date of Survey: JANUARY 11, 2018

Signature and Seal of Professional Surveyor: Lloyd P. Short

CORNER COORDINATES

NAD 83, SPCS NM EAST

A - Y: 477528.32' / X: 602995.57' B - Y: 477445.62' / X: 561463.29'

B - Y: 477508.82' / X: 603140.30' C - Y: 477445.62' / X: 561463.29'

C - Y: 477208.49' / X: 60307.31' D - Y: 477445.62' / X: 561463.29'

D - Y: 477199.23' / X: 602942.32' E - Y: 477199.23' / X: 561359.86'

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Form APD Comments

Permit 247050

PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056	API Number: 30-015-44627
	Well: GRAVEL GRINDER FEE 23 28 18 WXY #003H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 247050

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-015-44627
		Well: GRAVEL GRINDER FEE 23 28 18 WXY #003H
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	