

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 261412

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 321177		3. API Number 30-025-45461
5. Property Name FLOWMASTER 15 WD FEE		6. Well No. 012H

7. Surface Location

UL - Lot N	Section 15	Township 24S	Range 34E	Lot Idn N	Feet From 591	N/S Line S	Feet From 1918	E/W Line W	County Lea
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	---------------

8. Proposed Bottom Hole Location

UL - Lot C	Section 15	Township 24S	Range 34E	Lot Idn C	Feet From 100	N/S Line N	Feet From 2317	E/W Line W	County Lea
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	---------------

9. Pool Information

ANTELOPE RIDGE;WOLFCAMP	2220
-------------------------	------

Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3519
16. Multiple N	17. Proposed Depth 18421	18. Formation Wolfcamp	19. Contractor	20. Spud Date 1/14/2020
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	1840	1545	0
Int1	12.25	9.625	40	5600	1794	0
Prod	8.75	7	29	12230	474	5300
Liner1	6.125	5.5	23	18421	651	11930
Liner1	6.125	4.5	13.5	18421	651	11930

Casing/Cement Program: Additional Comments

Liner1 is a tapered from 5.5 to 4.5

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	10000	5000	
Double Ram	10000	5000	
Pipe	10000	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. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Melissa Szudera	Approved By: Paul F Kautz
Title: Regulatory Compliance Representative	Title: Geologist
Email Address: mszudera@marathonoil.com	Approved Date: 1/3/2019 Expiration Date: 1/3/2021
Date: 1/2/2019 Phone: 701-260-7272	Conditions of Approval Attached

State of New Mexico Energy Resources & Natural Resources Department 1000 North 2nd Street Santa Fe, New Mexico 87501 (505) 824-2200 FAX (505) 824-2201	State of New Mexico Energy Resources & Natural Resources Department 1000 North 2nd Street Santa Fe, New Mexico 87501 (505) 824-2200 FAX (505) 824-2201	Application No. _____ Date of last revision _____ Revision No. _____ () preliminary
WELL LOCATION AND PROPOSED DEED LINE		
Well Name _____ Section _____ Township _____ Range _____	Owners: WILLIAMS FIELD PLANT #2 Section _____ Township _____ Range _____	
NEIGHBORING DEEDS		
Section _____ Township _____ Range _____	Section _____ Township _____ Range _____	Section _____ Township _____ Range _____
Section _____ Township _____ Range _____	Section _____ Township _____ Range _____	Section _____ Township _____ Range _____
Township _____ Range _____		
State _____ County _____		
Notes: _____		

This map is subject to all applicable laws and ordinances that have been enacted or are enacted by the Legislature of the State of New Mexico.

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 APD Comments

Permit 261412

PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-025-45461
		Well: FLOWMASTER 15 WD FEE #012H
Created By	Comment	Comment Date
acovarrubias	GCP, C-102, Directional, and Horizontal Rule information will be sent via email.	1/2/2019

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

Form APD Conditions

Permit 261412

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056	API Number: 30-025-45461
	Well: FLOWMASTER 15 WD FEE #012H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing -- 3) Liner - Cement must tie back into production casing
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 5753703186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.