

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 C-101
August 1, 2011

Permit 261406

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

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 30-025-45462
4. Property Code 323064	5. Property Name FLOWMASTER 15 FB FEE	6. Well No. 016H

7. Surface Location

UL - Lot N	Section 15	Township 24S	Range 34E	Lot Idn N	Feet From 591	N/S Line S	Feet From 1888	E/W Line W	County Lea
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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 1985	E/W Line W	County Lea
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9. Pool Information

RED HILLS;BONE SPRING, NORTH	96434
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3520
16. Multiple N	17. Proposed Depth 14430	18. Formation Bone Spring	19. Contractor	20. Spud Date 12/30/2019
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	1840	1545	0
Int1	12.25	9.625	40	5600	1789	0
Prod	8.75	5.5	20	14430	2241	0

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	

<p>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.</p> <p>Signature:</p> <p>Printed Name: Electronically filed by Melissa Szudera</p> <p>Title: Regulatory Compliance Representative</p> <p>Email Address: mszudera@marathonoil.com</p> <p>Date: 1/2/2019</p>	<p>OIL CONSERVATION DIVISION</p> <p>Approved By: Paul F Kautz</p> <p>Title: Geologist</p> <p>Approved Date: 1/3/2019</p> <p>Expiration Date: 1/3/2021</p> <p>Conditions of Approval Attached</p>
Phone: 701-260-7272	

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PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056	API Number: 30-025-45462
	Well: FLOWMASTER 15 FB FEE #016H

Created By	Comment	Comment Date
acovarrubias	GCP, C-102, Directional, and Horizontal Well Information will be sent via email.	1/2/2019

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PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056	API Number: 30-025-45462
	Well: FLOWMASTER 15 FB FEE #016H

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 --
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.