

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 250728

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 321167		3. API Number 30-025-44663
5. Property Name BLUEBERRY HILL FEE 24 35 19 TB		6. Well No. 010H

7. Surface Location

UL - Lot H	Section 19	Township 24S	Range 35E	Lot Idn H	Feet From 2417	N/S Line N	Feet From 1256	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot A	Section 18	Township 24S	Range 35E	Lot Idn A	Feet From 150	N/S Line N	Feet From 330	E/W Line E	County Lea
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9. Pool Information

WC-025 G-09 S243532M;WOLFBONE	98098
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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 3337
16. Multiple N	17. Proposed Depth 19754	18. Formation Bone Spring	19. Contractor	20. Spud Date 5/1/2018
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	1100	997	0
Int1	8.75	7	29	11700	1373	0
Prod	6.125	4.5	13.5	19754	867	11500

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	10000	5000	Cameron
Annular	5000	2500	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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature: _____ Printed Name: Electronically filed by Melissa Szudera Title: Regulatory Compliance Representative Email Address: mszudera@marathonoil.com Date: 4/6/2018	<div style="text-align: center;">OIL CONSERVATION DIVISION</div> Approved By: Paul Kautz Title: Geologist Approved Date: 4/9/2018 Expiration Date: 4/9/2020 Conditions of Approval Attached
Phone: 701-260-7272	

1. Project Name

2. Project Number

3. Project Location

4. Project Status

5. Project Manager

6. Project Engineer

7. Project Designer

8. Project Checker

9. Project Approver

10. Project Date

11. Project Description

12. Project Objectives

13. Project Scope

14. Project Budget

15. Project Timeline

16. Project Risks

17. Project Deliverables

18. Project Stakeholders

19. Project Communication

20. Project Reporting

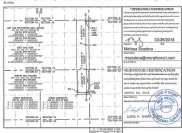
21. Project Summary

22. Project Details

23. Project Attachments

24. Project Signatures

25. Project Stamps



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Form APD Comments

Permit 250728

PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056	API Number: 30-025-44663
	Well: BLUEBERRY HILL FEE 24 35 19 TB #010H

Created By	Comment	Comment Date
acovarrubias	Fluid type for Intermediate string will be Diesel/Brine Emulsion	4/5/2018
acovarrubias	FTP - 2,502' FNL & 330' FEL; 32.20342385, -103.39912901	4/5/2018
acovarrubias	GCP, C-102, and Directional will be sent via email.	4/5/2018
pkautz	email sent requesting formation tops	4/6/2018

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Form APD Conditions

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Permit 250728

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056	API Number: 30-025-44663
	Well: BLUEBERRY HILL FEE 24 35 19 TB #010H

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.
pkautz	Stage Tool - 1) Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186 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.