

**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 258996

**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 322874		3. API Number 30-025-45358
5. Property Name BATTLE 34 WC FEE		6. Well No. 020H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
B	34	21S	33E	B	478	N	1465	E	Lea

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	34	21S	33E	P	100	S	330	E	Lea

**9. Pool Information**

WC-025 G-10 S213328O;WOLFCAMP	98033
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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 3697
16. Multiple N	17. Proposed Depth 17316	18. Formation Wolfcamp	19. Contractor	20. Spud Date 9/8/2019
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	1560	1310	0
Int1	12.25	9.625	40	5100	1652	0
Prod	8.75	7.625	29	11500	534	4800
Liner1	6.125	5.5	23	11200	570	11700
Liner1	6.125	4.5	15.1	17316	570	11700

**Casing/Cement Program: Additional Comments**

Liner 1 Casing is a tapered string
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**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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.  Signature:	<b>OIL CONSERVATION DIVISION</b>
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: 11/15/2018      Expiration Date: 11/15/2020
Date: 11/15/2018      Phone: 701-260-7272	Conditions of Approval Attached

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<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #cccccc;"></div> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #cccccc;"></div> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #cccccc;"></div> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #cccccc;"></div> </div>	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><i>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 unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>E-Signed By:            <b>Melissa Szudera</b></p> <p>Title:                      <b>Regulatory Compliance Representative</b></p> <p>Date:                       <b>11/15/2018</b></p>
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #cccccc;"></div> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #cccccc;"></div> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #cccccc;"></div> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: #cccccc;"></div> </div>	<p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p>Surveyed By:            <b>LLOYD P. SHORT</b></p> <p>Date of Survey:        <b>11/14/2018</b></p> <p>Certificate Number:   <b>21653</b></p>

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**Santa Fe, NM 87505**

Form APD Comments

Permit 258996

**PERMIT COMMENTS**

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-025-45358
		Well: BATTLE 34 WC FEE #020H
Created By	Comment	Comment Date
acovarrubias	GCP, C-102, Directional, and Horizontal Well Information will be sent via email.	10/24/2018

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Form APD Conditions

Permit 258996

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056	API Number: 30-025-45358
	Well: BATTLE 34 WC FEE #020H

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	If an APD expires and if site construction has occurred, site remediation is required.
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.