<u>District I</u> 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 244030

APPLICATION FOR PERMIT TO DRILL. RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

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1. Operator Name and Address		2. OGRID Number					
MARATHON OIL PERM	372098						
5555 San Felipe St.	3. API Number						
Houston, TX 77056		30-025-44162					
4. Property Code	5. Property Name	6. Well No.					
319816	KNIFE FIGHT FEE 24 34 26 WXY	003H					
7. Surface Location							
	7. Surface Location	Turan Iana					

	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
Α	26	24S	34E	Α	271	N	1205	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
0	26	24S	34E	0	330	S	2302	E	Lea

9. Pool Information

WC-025 S263426A;LOWER WOLFCAMP (GAS	98254	

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	GAS		Private	3446
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor	20. Spud Date
N	17200	Wolfcamp		1/4/2018
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

2111 Topocca Gaoing and Goment Togram									
Туре	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC			
Surf	17.5	13.375	54.5	500	522	0			
Int1	12.25	9.625	40	5450	1912	0			
Prod	8.75	7	29	12800	1296	0			
Liner1	6.125	4.5	13.5	17200	532	11900			

Casing/Cement Program: Additional Comments

22: FTOPOSEG BIOWOUT FTEVENTION FTOGRAM							
Туре	Working Pressure	Test Pressure	Manufacturer				
Annular	5000	2500	schaffer				
Double Ram	10000	5000	schaffer				

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				OIL CONSERVATION	ON DIVISION
Signature:					
Printed Name:	Electronically filed by Melissa Sz	udera	Approved By:	Paul Kautz	
Title:	le: Regulatory Compliance Representative		Title:	Geologist	
Email Address: mszudera@marathonoil.com			Approved Date:	11/7/2017	Expiration Date: 11/7/2019
Date:	11/6/2017	Phone: 701-260-7272	Conditions of Appr	oval Attached	

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Form APD Comments

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Permit 244030

PERMIT COMMENTS

Operator Name and Address:	API Number:
MARATHON OIL PERMIAN LLC [372098]	30-025-44162
5555 San Felipe St.	Well:
Houston, TX 77056	KNIFE FIGHT FEE 24 34 26 WXY #003H

Created By	Comment	Comment Date
jvancuren	FTP - 330 FNL & 2317 FEL 32.19487100, -103.43922560	11/3/2017

Form APD Conditions

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Permit 244030

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
MARATHON OIL PERMIAN LLC [372098]	30-025-44162
5555 San Felipe St.	Well:
Houston, TX 77056	KNIFE FIGHT FEE 24 34 26 WXY #003H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	1) SURFACE & INTERMEDIATE1 CASING - Cement must circulate to surface 2) INTERMEDIATE2 CASING - Cement must tie back into intermediate1 casing 3) PRODUCTION CASING - Cement must tie back into intermediate2 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 20 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.
pkautz	Gas Capture Plan - Operator to Submit Gas Capture Plan ASAP.