

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 247057

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 320617		3. API Number 30-015-44629
5. Property Name GRAVEL GRINDER FEE 23 28 18 TB		6. Well No. 006H

7. Surface Location

UL - Lot N	Section 18	Township 23S	Range 28E	Lot Idn N	Feet From 353	N/S Line S	Feet From 1325	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot C	Section 18	Township 23S	Range 28E	Lot Idn C	Feet From 330	N/S Line N	Feet From 1568	E/W Line W	County Eddy
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9. Pool Information

CULEBRA BLUFF;BONE SPRING, SOUTH	15011
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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 3080
16. Multiple N	17. Proposed Depth 13887	18. Formation Bone Spring	19. Contractor	20. Spud Date 1/19/2018
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	400	400	0
Int1	12.25	9.625	40	2390	700	0
Prod	8.75	5.5	20	13900	2500	1800

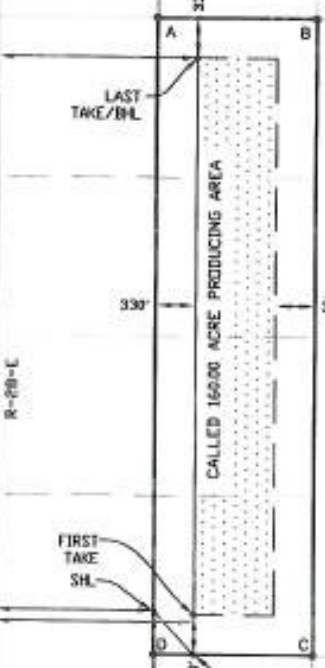
Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	Shaffer
Double Ram	5000	5000	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 ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Melissa Szudera	Approved By: Raymond Podany
Title: Regulatory Compliance Representative	Title: Geologist
Email Address: mszudera@marathonoil.com	Approved Date: 1/17/2018 Expiration Date: 1/17/2020
Date: 1/12/2018 Phone: 701-260-7272	Conditions of Approval Attached

SECTION 12 SECTION 13 1560' LAST TAKE/BHL R-27-E R-28-E 1320' 1640' SECTION 13 SECTION 24		SECTION 7 SECTION 18 LAST TAKE POINT/BOTTOM HOLE LOCATION 330' FSL 1560' NW, SECTION 18 NAD 83, SPCS NM EAST X604060.33' / Y477186.23' LAT02.31159410N / LON104.12598344W NAD 27, SPCS NM EAST X562977.98' / Y477027.12' LAT02.31157414N / LON104.125948294W FIRST TAKE LOCATION 353' FSL 1640' FWL, SECTION 18 NAD 83, SPCS NM EAST X604394.25' / Y472334.64' LAT02.29670724N / LON104.12595926W NAD 27, SPCS NM EAST X563333.74' / Y472475.64' LAT02.29678719N / LON104.125940229W SURFACE HOLE LOCATION 353' FSL 1325' FWL, SECTION 18 NAD 83, SPCS NM EAST X663878.65' / Y472536.63' LAT02.29676939N / LON104.12594633W NAD 27, SPCS NM EAST X562538.19' / Y472497.59' LAT02.29681926N / LON104.12594989W CORNER COORDINATES NAD 83, SPCS NM EAST A - N 477318.94' / E 602837.94' B - N 477358.83' / E 605048.58' C - N 478006.49' / E 605187.52' D - N 478002.36' / E 603056.62' CORNER COORDINATES NAD 27, SPCS NM EAST A - N 477409.77' / E 582545.55' B - N 477449.65' / E 583966.09' C - N 472549.44' / E 564004.98' D - N 472544.33' / E 562684.54'	SECTION 8 SECTION 17 "OPERATOR CERTIFICATION" <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 undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such an interest or working interest or is a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> _____ Signature Date Melissa Szudera Printed Name mszudera@marathonoil.com E-mail Address "SURVEYOR CERTIFICATION" <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> JANUARY 11, 2018 Date of Survey _____ Signature and Seal of Professional Surveyor LLOYD P. SHORT NEW MEXICO 21653 PROFESSOR OF SURVEYING Certificate Number LLOYD P. SHORT 21653
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Form APD Comments

Permit 247057

PERMIT COMMENTS

Operator Name and Address: MARATHON OIL PERMIAN LLC [372098] 5555 San Felipe St. Houston, TX 77056		API Number: 30-015-44629
		Well: GRAVEL GRINDER FEE 23 28 18 TB #006H

Created By	Comment	Comment Date
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Form APD Conditions

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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: 30-015-44629
		Well: GRAVEL GRINDER FEE 23 28 18 TB #006H
OCD Reviewer	Condition	
RPodany	Will require a directional survey with the C-104	
RPodany	Cement is required to circulate on both surface and intermediate1 strings of casing	