

Revised March 23, 2017

VF5C9-200921-C-107B PC-1386

RECEIVED: 9/21/20	REVIEWER: DM	TYPE: PC	APP NO: pDM2026651960
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: Marathon Oil Permian LLC **OGRID Number:** 372098
Well Name: MADERA 19 FEDERAL (TB 1H, WA 2H, WB 5H, WXY 6H) **API:** 30-025-44899; 44900; 44901; 44902+
Pool: WC-025 G-08 S263412K; BONE SPRING, JABALINA; WOLFCAMP; WC-025 S263519M; WOLFCAMP **Pool Code:** 96672; 96776; 98285

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL☐ NSP (PROJECT AREA)☐ NSP (PRORATION UNIT)☐ SD

B. Check one only for [I] or [II]

[I] Commingling – Storage – Measurement

☐ DHC☐ CTB☐ PLC☒ PC☐ OLS☐ OLM

[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX☐ PMX☐ SWD☐ IPI☐ EOR☐ PPR**2) NOTIFICATION REQUIRED TO:** Check those which apply.A. ☐ Offset operators or lease holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☐ Application requires published noticeD. ☐ Notification and/or concurrent approval by SLOE. ☒ Notification and/or concurrent approval by BLMF. ☐ Surface ownerG. ☐ For all of the above, proof of notification or publication is attached, and/or,H. ☒ No notice required**FOR OCD ONLY**☐

Notice Complete

☐Application
Content
Complete

3) CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Adrian Covarrubias

Print or Type Name

Signature

9/21/2020

Date

713-296-3368

Phone Number

acovarrubias@marathonoil.com

e-mail Address

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. Multiple
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name MADERA 19 FEDERAL
8. Well Number Multiple
9. OGRID Number 372098
10. Pool name or Wildcat Multiple
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator Marathon Oil Permian LLC	
3. Address of Operator 5555 San Felipe St., Houston, TX 77056	
4. Well Location Unit Letter _____ : _____ feet from the _____ line and _____ feet from the _____ line Section 19 Township 26S Range 35E NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	P AND A <input type="checkbox"/>
CLOSED-LOOP SYSTEM <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
OTHER: Request to commingle <input checked="" type="checkbox"/>	OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Marathon Oil Permian LLC is requesting approval to pool commingle. The value of the oil and gas will not be affected with the approval of this commingle request. Please see the attached. Wells will be accurately measured with daily measurement at separation.


Wells to be commingled:

Name	Location	API	Pool
Madera 19 WA Federal 2H	M-19-26S-35E; 352 FSL 1338 FWL	30-025-44900	(98285) WC-025 S263519M; WOLFCAMP (GAS)
Madera 19 TB Federal 1H	N-19-26S-35E; 351 FSL 1368 FWL	30-025-44899	(96672) WC-025 G-08 S263412K; BONE SPRING
Madera 19 WB Federal 5H	N-19-26S-35E; 351 FSL 1398 FWL	30-025-44901	(98285) WC-025 S263519M; WOLFCAMP (GAS)
Madera 19 WXY Federal 6H	N-19-26S-35E; 351 FSL 1428 FWL	30-025-44902	(96776) JABALINE; WOLFCAMP, SW

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Regulatory Professional DATE 9/21/2020

Type or print name Adrian Covarrubias E-mail address: acovarrubias@marathonoil.com PHONE: 713-296-3368

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

APPLICATION FOR CENTRAL TANK BATTERY, SALES, & STORAGE**Proposal for Madera 19 Federal Pool Commingle:**

Marathon Oil Permian LLC is requesting approval for the Central Tank Battery:

Federal Lease NM-093223

Well Name	Location	API #	Pool; Formation	Oil		GAS	
				BOPD	Gravities	MCFPD	BTU
Madera 19 TB Federal 1H	Sec. 19-T26S-R35E	30-025-44899	WC025G08S263412K Bone Spring	510	43.97	870	1384
Madera 19 WA Federal 2H	Sec. 19-T26S-R35E	30-025-44900	WC025S263519M; Wolfcamp	545	55.20	770	1338
Madera 19 WB Federal 5H	Sec. 19-T26S-R35E	30-025-44102	WC025S263519M; Wolfcamp	585	55.20	835	1338
Madera 19 WXY Federal 6H	Sec. 19-T26S-R35E	30-025-44102	Jabalina; Wolfcamp, SW	560	44.60	900	1312

Lease map shows the federal lease and well locations in Section 19-T26S-R35E. The CTB resides on the same lease as the hydrocarbons produced from the wells. Working, royalty, and overriding interest owners are identical. The NMOCD has been sent a copy of the proposal for approval.

The BLM's interest in all wells has identical royalty rates of 12.5% and acreage. Waste is not induced and no correlative rights are impaired. These meters will be calibrated on a regular basis per API, NMOCD and BLM specifications. The BLM and OCD will be notified of any future changes in the CTB.

Oil & Gas metering:

The Central Tank Battery (CTB) is co-located with the wells location. There are eight oil tanks at the CTB that the wells will utilize and for gas they will have a common central delivery point (CDP) gas sales meter which is planned on the SESW, Sec. 19, T26S, R35E. The produced water will go to a common water tanks on location.

Each well will have its own 3-phase separator. The oil production will be allocated on a daily basis using the coriolis meter on the downstream side of the 3-phase separator.

Madera 19 TB Federal 1H oil allocation meter consists of a Micro Motion Coriolis meter (SN-14894510).
Madera 19 WA Federal 2H oil allocation meter consists of a Micro Motion Coriolis meter (SN-14891078).
Madera 19 WB Federal 5H oil allocation meter consists of a Micro Motion Coriolis meter (SN-14894817).
Madera 19 WXY Federal 6H oil allocation meter consists of a Micro Motion Coriolis meter (SN-14891073).

Gas production will be allocated on a daily basis using the allocation meters downstream of the 3-phase separator.

Madera 19 TB Federal 1H gas allocation meter consists of an orifice meter (ID – D0305807).
Madera 19 WA Federal 2H gas allocation meter consists of an orifice meter (ID – D0305388).
Madera 19 WB Federal 5H gas allocation meter consists of an orifice meter (ID – D0304846).
Madera 19 WXY Federal 6H gas allocation meter consists of an orifice meter (ID – D0304668).

Oil and gas meters will be calibrated per API & NMOCD specifications.


Process and Flow Descriptions:

The Madera 19 TB Federal 1H, Madera 19 WA Federal 2H, Madera 19 WB Federal 5H, & Madera 19 WXY Federal 6H well pad has a central tank battery located on federal lease NMNM-093223 in Lea County, New Mexico.

The production from the four wells are routed to the CTB where each well will have its own separator for measurement and a common heater treater. Oil, gas and water volumes from each well producing to this battery are determined by using an individual separator for continuous measurement at the CTB. Oil and water production will be allocated on a daily basis based on the coriolis (oil) and mag (water) downstream of each separator. Gas production will be allocated on a daily basis based on the orifice meter downstream of each separator.

After separation and allocation measurement, the oil and water will go to common oil tanks and water tanks. The oil will be sold through a LACT. The gas from the separator will combine with gas from the heater treater and will be routed to a gas scrubber and then on to the gas located in Section 19 on east side of pad.

The flow of produced fluids is shown on the facility diagram along with a description of each vessel. The commingling of production is in the interest of conservation and waste and will result in the most effective, economic means of producing the reserves in place from the affected wells and will not result in reduced royalty or improper measurement of production. The proposed commingling will reduce operating expenses as well as reduce the surface facility footprint and overall emissions.

Signed: 
Printed Name: Adrian Covarrubias
Title: Regulatory Professional
Date: 9/21/2020

Economic Justification Worksheet Madera 19 Federal

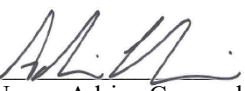
Federal lease NMNM093223 Royalty Rate 12.5%

Well Name	BOPD	Oil gravity @ 60 deg	Value / bbl	MCFPD	Dry BTU	Value / mcf
Madera 19 TB Federal 1H	510	23.97	48.03	870	1384	2.11
Madera 19 WA Federal 2H	545	55.2	48.03	770	1338	2.11
Madera 19 WB Federal 5H	585	55.2	48.03	835	1338	2.11
Madera 19 WXY Federal 6H	560	44.6	48.03	900	1312	2.11

Economic Combined Production

Well Name	BOPD	Oil gravity @ 60 deg	Value / bbl	MCFPD	Dry BTU	Value / mcf
Madera 19 Federal CTB	2,200	48.7	48.03	3,375	1,343	2.11

By combining the production of these leases, the royalty value will not be affected due to the contract Marathon has with the purchaser; which states that they will purchase all oil and gas at one price regardless of variance in API gravity for oil or BTU for gas.

Signed: 
 Printed Name: Adrian Covarrubias
 Title: Regulatory Professional
 Date: 9/21/2020

Weighted averages for economic value

1H oil	510/23.97	12,225	99,577	48.7 API
2H oil	545/55.2	30,084		
5H oil	585/55.2	32,292		
6H oil	560/44.6	24,976		
1H gas	870/1,384	1,204,080	4,532,370	1343 BTU
2H gas	770/1,338	1,030,260		
5H gas	835/1,338	1,117,230		
6H gas	900/1,312	1,180,800		

Identical Ownership Statement

Ryan Gyllenband
Land Supervisor



Marathon Oil Permian LLC
5555 San Felipe Street
Houston, TX 77056
Telephone: 713.296.2453 Mobile: 281.684.7389
Fax: 713.513.4006
mrgyllenband@marathonoil.com

September 15, 2020

Mr. Dean McClure
Petroleum Specialist
New Mexico Energy, Minerals and Natural Resources Department
1220 South Francis Drive
Santa Fe, NM 87505

Re: Marathon Oil Permian LLC - Surface Commingling
Madera 1H, 2H, 5H & 6H Wells
Section 19, T26S-R35E
Lea County, New Mexico

Mr. McClure,

Marathon Oil Permian LLC ("Marathon") has filed the attached application with the New Mexico Oil Conservation Division ("Division") for administrative approval to surface lease commingle production according to the provisions of NMAC 19.15.12.10.C from the Madera 19 TB Federal #001H well (API# 30-025-44899), Madera 19 WA Federal #002H well (API# 30-025-44900), Madera 19 WB Federal #005H well (API# 30-025-44901), and the Madera 19 WXY Federal #006H well (API# 30-025-44902) located in Section 19, T26S-R35E, Lea County, New Mexico. There was no compulsory pooling completed for these wells. The interest in all four wells is identical.

Should you have any questions please do not hesitate to contact me at 713-296-2453 or by email at mrgyllenband@marathonoil.com.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Ryan Gyllenband', written over a horizontal line.

Ryan Gyllenband
Land Supervisor
Lea County, New Mexico

Facility Diagram



CA #

LOCATION	Section N-19-26S-35E 351 FSL 1398 FWL
LEA COUNTY, NM	

LAT 32.022829
LONG -103.410607


DRAWN BY	Emmanuel Hernandez
APPROVED BY	

DRAWN BY	
APPROVED BY	

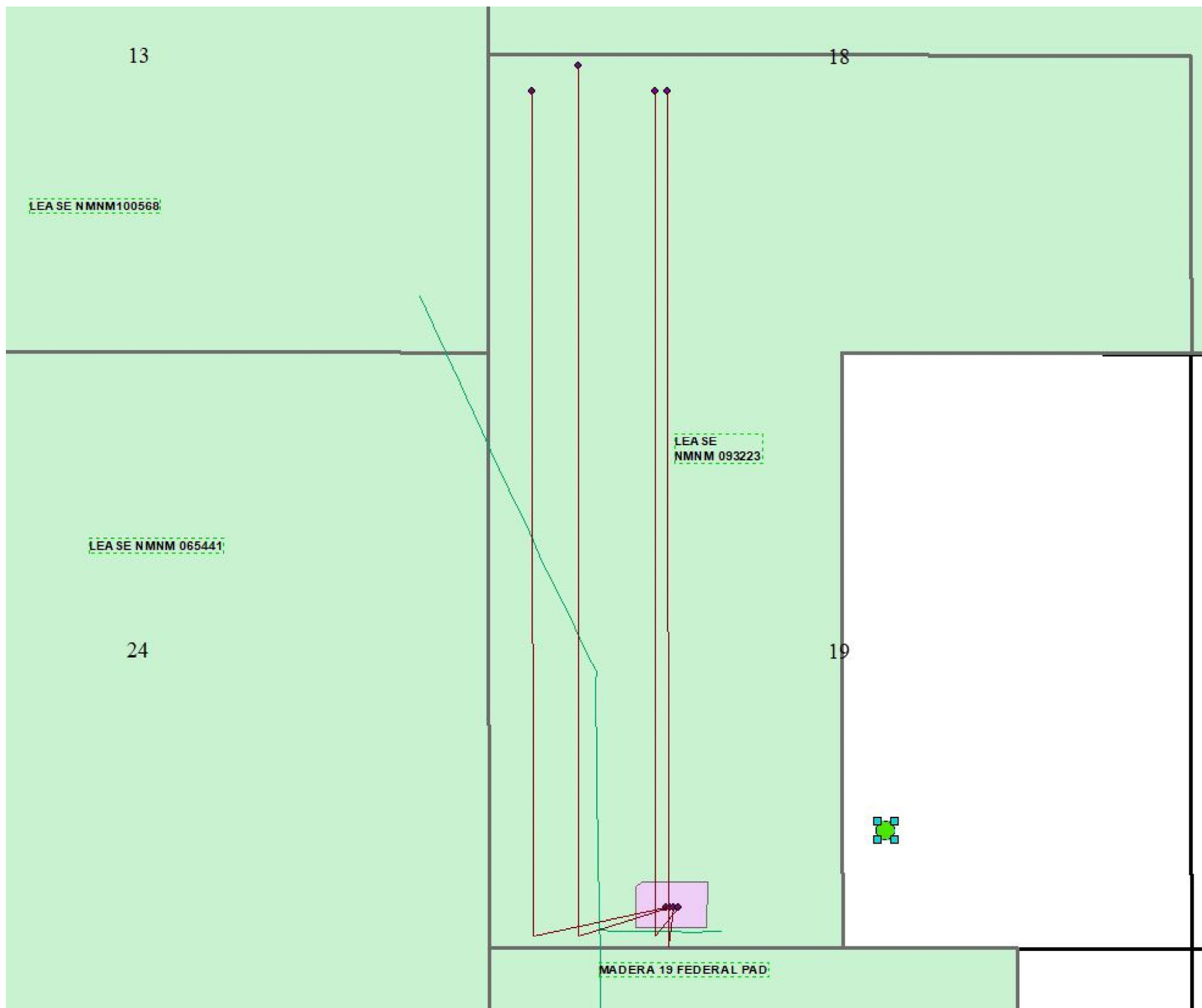
METER SERIAL #'s

1. Canalta D0304668 / 0035988 Rosem.
2. Canalta D0304846 / 0035990 Rosem.
3. Canalta D0305807 / 0035991 Rosem.
4. Canalta D0305388 / 0035989 Rosem.
5. Canalta D0600685 / T192674340 ABB
6. Canalta S0227951 / 0012664 Rosem.
7. EndressHauser P4061B16000
8. Canalta D0402609 / 0048971 Rosem.
9. Canalta D0402615 / 0048985 Rosem.
10. Canalta S0227951 / 0012664 Rosem.
11. Micro Motion 14891078/3426656
12. Rosemount 14873166 / 14873141
13. Canalta D0305388 / 0035989 Rosem.
14. Rosemount 14873174 / 14873137
15. Micro Motion 14894510/3420873/14868447
16. Canalta D0305807 / 0035991 Rosem.
17. Rosemount 14873168 / 14873140
18. Micro Motion 14894817/3426855
19. Canalta D0304846 / 0035990 Rosem.
20. Rosemount 14873172 / 14873138
21. Micro Motion 14891073/3426850
22. Canalta D0304668 / 0035988 Rosem.
23. Canalta S0227738 / 0012253 Rosem.
24. Rosemount 14905200 / 14905314
25. Micro Motion 14769271 / 3396374
26. EndressHauser N908FF16000

Note 1: Fuel Gas is routed throughout the facility
Note 2: Piping is interconnected to all of the Tanks to move fluid necessary for Recycle

	FIGURE TITLE			DATE	September 14, 2020
	Madera 19 1-2-5-6H			SCALE	NOT TO SCALE
	API	LEASE	CA #	DRAWN BY	Emmanuel Hernandez
	OPERATOR			APPROVED BY	
	LOCATION				
	LEA COUNTY, NM	Section 15, T-22S, R-33E 1980' FSL & 1980' FEL Unit J	LAT 32.022829 LONG -103.410607		

Lease Map



As-Drilled Plats

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44902	² Pool Code 96776	³ Pool Name JABALINA; WOLFCAMP, SOUTHWEST
⁴ Property Code	⁵ Property Name MADERA 19 WXY FEDERAL	⁶ Well Number 6H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3185'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	19	T26S	R35E		351'	SOUTH	1428'	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	18	T26S	R35E		2541'	SOUTH	1234'	WEST	LEA

¹² Dedicated Acres 485.60	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ SECTION 12 SECTION 13 LAST TAKE POINT/BOTTOM HOLE LOCATION 20,166' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:827077.57 / Y:380624.64 LAT:32.04306304N / LON:103.41114193W NAD 27, SPCS NM EAST X:785889.63 / Y:380567.32 LAT:32.04293686N / LON:103.41068025W SECTION 13 SECTION 24 KICK OFF/FIRST TAKE POINT 12,305' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:827124.56 / Y:372903.56 LAT:32.02183952N / LON:103.41120301W NAD 27, SPCS NM EAST X:785936.27 / Y:372846.44 LAT:32.02171323N / LON:103.41074255W SURFACE HOLE LOCATION 351' FSL 1428' FWL, SECTION 19 NAD 83, SPCS NM EAST X:827337.05 / Y:373155.99 LAT:32.0225284N / LON:103.41051051W NAD 27, SPCS NM EAST X:786148.75 / Y:373098.90 LAT:32.02240207N / LON:103.41005003W SECTION 24 SECTION 25 KOP/FIRST TAKE POINT R-34-E R-35-E				SECTION 7 SECTION 18 LAST TAKE POINT/ A BHL 1234' 101' B 1439' 2541' FARTHEST MEASURED DEPTH =19,135' PI (NEAREST MEASURED DEPTH =17,717' SECTION 18 SECTION 17 SECTION 19 SECTION 20 CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 380718.58 / X: 825842.88 B - Y: 380734.22 / X: 828515.41 C - Y: 372813.35 / X: 828592.53 D - Y: 372795.47 / X: 825911.74 CORNER COORDINATES NAD 27, SPCS NM EAST A - Y: 380661.27 / X: 784654.96 B - Y: 380676.89 / X: 787327.46 C - Y: 372756.22 / X: 787404.22 D - Y: 372738.37 / X: 784723.45 SECTION 19 SECTION 20 1428' 1214' 1252' 1467' SHL 100' 351' SECTION 30 SECTION 29			
¹⁷ OPERATOR CERTIFICATION 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 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. Signature: <i>Adrian Covarrubias</i> Date: 1/18/2019 Printed Name: Adrian Covarrubias E-mail Address:				¹⁸ SURVEYOR CERTIFICATION 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. Date of Survey: <i>1/18/2019</i> Signature and Seal of Professional Surveyor: <i>[Signature]</i> CONVEYANCE OF A PERMIT. PRELIMINARY THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, SALE OR THE BASIS FOR THE			
Certificate Number				1 01/10/2019 DEF REV. DATE BY			

NOTE; ALL DIMENSIONS IN U.S. FEET

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44900	² Pool Code 98285	³ Pool Name WC-025 S263519M; WOLFCAMP
⁴ Property Code	⁵ Property Name MADERA 19 WA FEDERAL	⁶ Well Number 2H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3185'

¹⁰ Surface Location

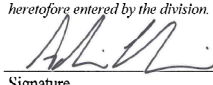
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	19	T26S	R35E		352'	SOUTH	1338'	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	18	T26S	R35E		2542'	SOUTH	348'	WEST	LEA

¹² Dedicated Acres 485.60	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SECTION 12		SECTION 7		CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 380718.58 / X: 825842.88 B - Y: 380734.22 / X: 828515.41 C - Y: 372813.35 / X: 828592.53 D - Y: 372795.47 / X: 825911.74 CORNER COORDINATES NAD 27, SPCS NM EAST A - Y: 380661.27 / X: 784654.96 B - Y: 380676.89 / X: 787327.46 C - Y: 372756.22 / X: 787404.22 D - Y: 372738.37 / X: 784723.45	¹⁷ OPERATOR CERTIFICATION 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 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.  1/16/2020 Signature Date Adrian Covarrubias Printed Name E-mail Address
SECTION 13		SECTION 18			
LAST TAKE POINT/BOTTOM HOLE LOCATION 20,402' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:826191.98 / Y:380620.04 LAT:32.04307115N / LON:103.41399988W NAD 27, SPCS NM EAST X:785004.05 / Y:380562.73 LAT:32.04294500N / LON:103.41353810W		BHL/LAST TAKE POINT (NEAREST) MEASURED DEPTH =19,600' (CROSSING 4 330' OFFSET) MEASURED DEPTH=19,052'		SECTION 18	
SECTION 13		SEC. 24 (FARTHEST) MEASURED DEPTH =18,279'		SECTION 19	
KICK OFF POINT/FIRST TAKE POINT 11,212' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:826230.97 / Y:372897.60 LAT:32.02184407N / LON:103.41408616W NAD 27, SPCS NM EAST X:785042.68 / Y:372840.49 LAT:32.02171780N / LON:103.41362562W		(CROSSING 1 330' OFFSET) MEASURED DEPTH=13,129' (CROSSING 2 330' OFFSET) MEASURED DEPTH=13,468' (CROSSING 3 330' OFFSET) MEASURED DEPTH=15,211'		SECTION 19	
SURFACE HOLE LOCATION 352' FSL 1338' FWL, SECTION 19 NAD 83, SPCS NM EAST X:827247.05 / Y:373155.99 LAT:32.02253049N / LON:103.41080086W NAD 27, SPCS NM EAST X:786058.75 / Y:373098.90 LAT:32.02240420N / LON:103.41034038W		SHL 1338' 352'		SECTION 19	
SECTION 25	KOP/FIRST TAKE POINT	SECTION 24	SECTION 30	¹⁸ SURVEYOR CERTIFICATION 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. Date of Survey Signature and Seal of Professional Surveyor Certificate Number	

DISTANCES/AREAS RELATIVE TO NAD83 COMBINED SCALE FACTOR: 0.99985482
CONVERGENCE: 0.49063811"; NOTE: ALL DIMENSIONS IN U.S. FEET

2	4/01/19	DEF
REV.	DATE	BY

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 Road, Aztec, NM 87410
 Phone: (505) 334-6178 Fax: (505) 334-6170
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 476-3460 Fax: (505) 476-3462

Energy, Minerals & Natural Resources Department
 OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Revised August 1, 2011
 Submit one copy to appropriate
 District Office

☐ AMENDED REPORT
 As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44899	² Pool Code 96672	³ Pool Name WC-025 G-08 S263412K; BONE SPRING
⁴ Property Code	⁵ Property Name MADERA 19 TB FEDERAL	⁶ Well Number 1H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3185'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	19	T26S	R35E		351'	SOUTH	1368'	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L (LOT 3)	18	T26S	R35E		2542'	SOUTH	683'	WEST	LEA
¹² Dedicated Acres 245.60	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ SECTION 12 SECTION 13 SECTION 24 SECTION 25 CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 825842.88 / Y: 380718.58 B - X: 827193.03 / Y: 380726.48 C - X: 827268.68 / Y: 372804.52 D - X: 825911.74 / Y: 372795.47 R-34-E FIRST TAKE POINT/KOP				SECTION 7 SECTION 18 SECTION 19 SECTION 30 CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 784654.96 / Y: 380661.30 B - X: 786005.09 / Y: 380669.16 C - X: 786080.38 / Y: 372747.40 D - X: 784723.45 / Y: 372738.37 R-35-E				SECTION 8 SECTION 17 SECTION 20 SECTION 29 SURFACE HOLE LOCATION 351' FSL 1368' FWL, SECTION 19 NAD 83, SPCS NM EAST X: 827277.05 / Y: 373155.99 NAD 27, SPCS NM EAST X: 786088.77 / Y: 373098.87 LAT: 32.02240349N / LON: 103.41024361W				¹⁷ OPERATOR CERTIFICATION 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 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. Signature _____ Date _____ Printed Name _____ E-mail Address _____			
(FARTHEST) MEASURED DEPTH = 14,781' KICK OFF POINT/FIRST TAKE POINT 7,444' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 826585.05 / Y: 372899.96 LAT: 32.02184227N / LON: 103.41294374W NAD 27, SPCS NM EAST X: 785396.75 / Y: 372842.85 LAT: 32.02171600N / LON: 103.41248323W				LAST TAKE POINT/BOTTOM HOLE LOCATION 20,068' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 826526.24 / Y: 380622.52 LAT: 32.04307014N / LON: 103.41292114W NAD 27, SPCS NM EAST X: 785338.30 / Y: 380565.20 LAT: 32.04294398N / LON: 103.41245940W				¹⁸ SURVEYOR CERTIFICATION 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. Date of Survey _____ Signature and Seal of Professional Surveyor _____							

Diagram showing well location and acreage dedication plat. The diagram includes sections 12, 13, 18, 19, 20, 24, 25, 7, 17, 29, and 30. It shows the surface hole location (SHL) and the bottom hole location (BHL/Last Take Point). Dimensions include 683', 2542', 721', 653', 1368', 674', 100', and 351'. A large red stamp reads: PRELIMINARY. THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, SALE, BIDDING, RECORDATION, OR THE BASIS FOR THE ISSUANCE OF A PERMIT.

DISTANCES/AREAS RELATIVE TO NAD83 COMBINED SCALE FACTOR: 0.99985482
 CONVERGENCE: 0.49063811'; NOTE: ALL DIMENSIONS IN U.S. FEET

1	2/21/19	DEF
REV.	DATE	BY

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-44901	² Pool Code 98285	³ Pool Name WC-025 S263519M; WOLFCAMP
⁴ Property Code	⁵ Property Name MADERA 19 WB FEDERAL	⁶ Well Number 5H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3184'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	19	T26S	R35E		351'	SOUTH	1398'	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L (LOT 3)	18	T26S	R35E		2309'	SOUTH	1293'	WEST	LEA

¹² Dedicated Acres 485.60	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ SECTION 12 SECTION 13 LAST TAKE POINT/BOTTOM HOLE LOCATION 20,450' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:827138.25 / Y:380393.37 LAT:32.04242594N / LDN:103.41095249W NAD 27, SPCS NM EAST X:785950.30 / Y:380336.05 LAT:32.04229975N / LDN:103.41049085W FIRST TAKE POINT 13,176' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:827255.83 / Y:373134.44 LAT:32.02247105N / LDN:103.41077313W NAD 27, SPCS NM EAST X:786067.55 / Y:373077.32 LAT:32.02234475N / LDN:103.41031265W SECTION 13 KICK OFF POINT 6,587' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X:827275.39 / Y:372906.07 LAT:32.02184287N / LDN:103.41071633W NAD 27, SPCS NM EAST X:786087.09 / Y:372848.95 LAT:32.02171657N / LDN:103.41025589W SURFACE HOLE LOCATION 351' FSL 1398' FWL, SECTION 19 NAD 83, SPCS NM EAST X:827307.05 / Y:373155.99 LAT:32.02252908N / LDN:103.41060729W NAD 27, SPCS NM EAST X:786118.75 / Y:373098.90 LAT:32.02240279N / LDN:103.41014681W SECTION 24 SECTION 25 R-34-E R-35-E				SECTION 7 SECTION 18 (NEAREST) MEASURED DEPTH = 20,450' BHL LAST TAKE POINT 2309' 333' PRODUCING AREA (FARTHEST) MEASURED DEPTH = 14,366' SHL FIRST TAKE POINT KOP 330' 102' 351' SECTION 19 SECTION 30				SECTION 8 SECTION 17 SECTION 19 SECTION 20 SECTION 29 CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 380718.58 / X: 825842.88 B - Y: 380734.22 / X: 828515.41 C - Y: 372813.35 / X: 828592.53 D - Y: 372795.47 / X: 825911.74 CORNER COORDINATES NAD 27, SPCS NM EAST A - Y: 380661.30 / X: 784654.93 B - Y: 380676.92 / X: 787327.44 C - Y: 372756.26 / X: 787404.20 D - Y: 372738.40 / X: 784723.43			
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¹⁷ OPERATOR CERTIFICATION
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 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.

Signature: *Adrian Covarrubias* Date: 1/18/2019
Printed Name: Adrian Covarrubias
E-mail Address:

¹⁸ SURVEYOR CERTIFICATION
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.

Date of Survey: *1/18/2019*
Signature and Seal of Professional Surveyor: *[Signature]*
Certificate Number:

1	01/18/2019	DEF
REV.	DATE	BY

NOTE; ALL DIMENSIONS IN U.S. FEET