

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM138836

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.

MAZER RACKHAM 20 WA FED COM 1H

2. Name of Operator

MARATHON OIL PERMIAN LLC

Contact: ADRIAN COVARRUBIAS

E-Mail: acovarrubias@marathonoil.com

9. API Well No.

30-015-46146-00-X1

3a. Address

5555 SAN FELIPE ST
HOUSTON, TX 77056

3b. Phone No. (include area code)

Ph: 713.296.3368

10. Field and Pool or Exploratory Area

PURPLE SAGE-WOLFCAMP (GAS)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 20 T26S R29E NENE 966FNL 540FEL
32.032902 N Lat, 103.999962 W Lon

11. County or Parish, State

EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

3/11/2020 ? Drill 6-1/8? vertical to 9354?. Continue drilling 6-1/8? curve to 6443?. Perform flow check and circulate bottoms up. TOH to BHA. Change BHA and TIH. Re-log gamma from 9340? to 9443?.
3/12 ? Continue to drill 6-1/8? curve to 10190?. Flow check and circulate bottoms up. TOH to BHA.
Change BHA and TIH. Re-log gamma from 10097? to 10191?. 3/13 ? Drill 6-1/8? lateral to 14363? (TD).
TD reached on 3/17. 3/17 ? Notified BLM of intent to run and cement 4.5? liner. Run 4-1/2?, 13.5#,
P110, VA Roughneck from 8936? to 14626?. 3/18 ? Cement liner by pumping 40 bbls of spacer and 545
skts of tail cement with 170 skts of cement to surface. Pressure test liner to 3500 psi for 30 min,
held, good test. Rig release on 3/26/2020.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #508530 verified by the BLM Well Information System**For MARATHON OIL PERMIAN LLC, sent to the Carlsbad****Committed to AFMSS for processing by PRISCILLA PEREZ on 03/26/2020 (20PP1790SE)**

Name (Printed/Typed) ADRIAN COVARRUBIAS

Title REGULATORY PROFESSIONAL

Signature (Electronic Submission)

Date 03/26/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDJONATHON SHEPARD
Title PETROLEUM ENGINEER

Date 03/27/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Accepted for Record 03/31/2020 - Kurt Simmons NMOCD

Revisions to Operator-Submitted EC Data for Sundry Notice #508530

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	DRG SR	DRG SR
Lease:	NMNM138836	NMNM138836
Agreement:		
Operator:	MARATHON OIL PERMIAN LLC 5555 SAN FELIPE ST HOUSTON, TX 77056 Ph: 713-296-3368	MARATHON OIL PERMIAN LLC 5555 SAN FELIPE ST HOUSTON, TX 77056 Ph: 713.629 6600
Admin Contact:	ADRIAN COVARRUBIAS REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com Ph: 713-296-3368	ADRIAN COVARRUBIAS REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com Ph: 713.296.3368
Tech Contact:	ADRIAN COVARRUBIAS REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com Ph: 713-296-3368	ADRIAN COVARRUBIAS REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com Ph: 713.296.3368
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	PURPLE SAGE; WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	MAZER RACKHAM 20 WA FED COM 1H Sec 20 T26S R29E Mer NMP NENE 966FNL 540FEL	MAZER RACKHAM 20 WA FED COM 1H Sec 20 T26S R29E NENE 966FNL 540FEL 32.032902 N Lat, 103.999962 W Lon

MAZER RACKHAM 20 WA FEDERAL COM 1H			API	SPUD Date
			30-015-46146	12/28/2019
TD Date	TD	PBTD	Rig Released	Ground Elevation
3/17/2020	14636 / 9847	14580 / 9845	3/26/2020	2872
Casing detail	Surface	Intermediate	Production	Liner
Date	12/28/2019	3/3/2020	3/9/2020	3/17/2020
Hole size	17 1/2	12 1/4	8 3/4	6 1/8
Casing size	13 3/8	9 5/8	7	4 1/2
Weight	54.5	40	29	13.5
Type	J55	J55	P110	P110
Thread	STC	BTC	VA Roughneck	VA Rougneck
Top	0	0	0	8936
Depth (MD)	436	2855	9238	14626
Amount jnts	11	71	225	138
Cement detail	Surface	Intermediate	Production	Liner
Date	12/28/2019	3/3/2020	3/10/2020	3/18/2020
Top depth KB	0	0	0	8,946
Bottom depth KB	436	2855	9238	14626
Lead sks		795	820	
Yield		2.19	2.41	
Tail sks	455	195	150	545
Yield	1.32	1.32	1.39	1.45
Spacer	40 BBLS	50 bbls	40 bbls	40 bbls
Class	C	C	C	H
Circulate to surface (sks)	196	436	252	170
Top meas. method	CIRCULATE	CIRCULATE	CIRCULATE	CIRCULATE
TOC	0	0	0	8946
Pressure testing	Surface	Intermediate	Production	Liner
Date	3/1/2020	3/4/2020	3/10/2020	3/18/2020
PSI	1500	2100	5290	3500
Time (min)	30	30	30	30
Bled off	0	35	100	0
Drop	0%	2%	2%	0%
Good test	Yes	Yes	Yes	Yes



Wellbore Schematic

Well Name: MAZER RACKHAM 20 WA FEDERAL COM 001H

State/Province NEW MEXICO	Country UNITED STATES	Field Name MALAGA	Latitude (°) 32.03277730	Longitude (°) -103.99948160	North/South Distance (ft) 966.0	North/South Reference FNL
API/ IPO UWI 3001546146	KB-Ground Distance (ft) 25.00	KB-Mud Line Distance (ft)	Ground Elevation (ft) 2,872.00	Drilling Rig Spud Date 3/1/2020	Well Original Completion Date	Well First Production Date

HORIZONTAL, MAZER RACKHAM 20 WA FEDERAL COM 001H, 3/26/2020 10:42:55 AM

