

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.
NMNM093223

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.

MADERA 19 WB FEDERAL COM 5H

2. Name of Operator

MARATHON OIL PERMIAN LLC

Contact: JENNIFER VAN CUREN

E-Mail: jvancuren@marathonoil.com

9. API Well No.

30-025-44901-00-X1

3a. Address

5555 SAN FELIPE STREET
HOUSTON, TX 77056

3b. Phone No. (include area code)

Ph: 713.296.1250

10. Field and Pool or Exploratory Area

BRADLEY
WOLFCAMP

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

Sec 19 T26S R35E SESW 351FSL 1398FWL
32.022404 N Lat, 103.410149 W Lon

FEB 13 2019

RECEIVED

11. County or Parish, State

LEA 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 recompleteness 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 recompleteness 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.

MIRU. Spud on 10/31/2018. Drill 17.5? surface from 146? to 1206?. 11/1 - TOH from 1206? to BHA. Notified BLM in regards to running 13-3/8? csg. Make up shoe track and run 13-3/8? csg, 28 jts, 54.5#, J55 STC to 1196?. Shoe set @ 1196?. Float collar @ 1152?. Notified BLM regarding cmt 13-3/8? csg. Cement csg by pumping 30 bbls of fresh water spacer, 810sx of lead cmt and 235sx of tail cmt with 104sx of cmt return to surface. 11/30 ? Perform BOP Test. Test 13 3/8? csg to 1500 psi for 30min, held, good test. Make up 12 ??, BHA and TIH to drill out. 12/1 - Drill shoe track and 10? of new formation to 1216?. Drill 12 ?? hole section to 5431?. 12/2 ? Notified BLM in regards to running and cementing 9-5/8? csg. 12/3 ? Run 9-5/8? csg, 130jts of 40# J55 LTC to 5421?. Cement 9 5/8?scg by pumping 20 bbls of gel spacer, 1210sx lead cmt, 320sx tail cmt with 308sx cmt to surface. 12/4 ? Pressure test 9 5/8? csg to 3119psi for 30min, 81psi drop, good test. Drill cement, shoe track, and 10? new formation to 5441?. Perform FIT. Drill 8 ?? from 5441? to 9276?. 12/5 ? Circulate bottoms up. TOH, change out BHA. TIH. Re-log gamma 9178-9276?. 12/6 ? Continue drilling 8

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

Electronic Submission #451863 verified by the BLM Well Information System
For MARATHON OIL PERMIAN LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 02/01/2019 (19PP0887SE)

Name (Printed/Typed) JENNIFER VAN CUREN

Title SR. REGULATORY COMPLIANCE REP

Signature (Electronic Submission)

Date 01/25/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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

FEB 12 2019

s/ Jonathon Shepard

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 **

Additional data for EC transaction #451863 that would not fit on the form

32. Additional remarks, continued

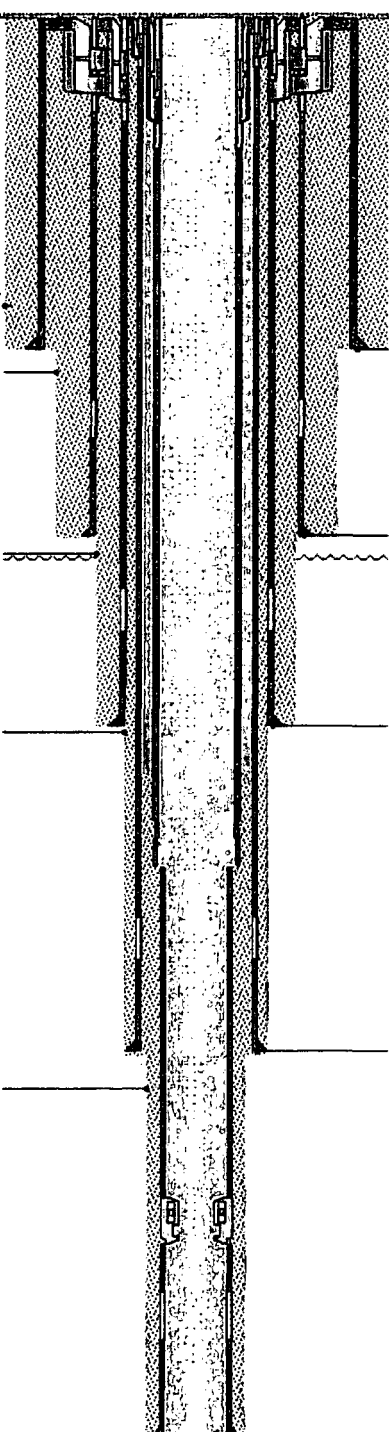
?? from 9276? to 10940?. 12/7 ? Flow check & CBU. Change out BHA. TIH from BHA to 10746. Relog gamma from 10841?-10940?. 12/8 ? Drill 6 1/8? from 10940? to 12012?. 12/9 ? Notified BLM in regards running 7-5/8? csg. 12/10 ? Run 7-5/8? csg, 305jts, 29.7#, P110HC TMK UP ULTRA, to 11997?. 12/10 - Notified BLM in regards to cementing 7-5/8?csg. Cement 7-5/8?csg by pumping 50bbbls of dyed spacer, 520sx lead cmt, 135sx tail cmt, with trace amount of cmt returns to surface. 12/2 ? Pressure test 7-5/8?csg to 6000psi for 30 min, 25psi drop, good test. PU 6-1/8? curve BHA. TIH from BHA to 11785?. Drill shoe track and 10? new formation to 12022?. 1/3 ? Drill 6 1/8? vertical hole to 12500?. 12/4 ? Drill 6 1/8? curve from 12500? to 12826?. CBU, TOH and change out BHA. TIH to 12727?. 1/5 ? Relog Gamma from 12728-12826?. Drill 6 1/8? curve from 12826 to 13326?. Circulate bottoms up, flow check, change out BHA. Re log gamma. Drill 6 1/8? curve from 13326? to 13575?. 1/6 ? Drill 6 1/8? lateral from 13575? to 20450?. 1/16 ? Circulate hole clean. 1/17 ? Notified BLM in regards of running 4-1/2? ? 5-1/2? csg. 1/18 ? Run 5-1/2? liner, 264jts, 23#, P110HC to 11559?. Crossover and run 4-1/2?, 226jt, 15.1#, P110HC to 20432?. 1/19 ? Notified BLM in regards to cementing liner. Cement by pumping 40bbbls GXT Spacer, 840sx tail cmt, with no cement to surface. Pressure test liner to 10000psi for 30 min, held, good test. PU equipment RDMO 1/20/19.

Wellbore Schematic

Well Name: **MADERA 19 FEDERAL 26 35 19 WB 5H**

State/Province NEW MEXICO	Prospect Area RED HILLS	Field Name WILDCAT	Well Subtype NAD27	Latitude (°) 32.022403	Longitude (°) -103.410147
Well Configuration Type HORIZONTAL	Well Objective EXPLOITATION	Well Status DRILLING	Ground Elevation (ft) 3,185.00	KB-Ground Distance (ft) 26.50	

HORIZONTAL - MADERA 19 FEDERAL 26 35 19 WB 5H, 1/24/2019 1:20:27 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	Vertical schematic (actual)		
26.6	26.6	0.5			
27.6	27.6	0.5			
27.9	27.9	0.5			
28.5	28.5	0.5			
30.2	30.2	0.5			
72.8	72.8	0.5			
82.4	82.4	0.5	Des: Conductor Cement; Depth MD: 26.5-146.5 ftKB; Date: 6/26/2018		
146.7	146.7	0.5	Des: Surface Casing Cement; Depth MD: 26.5-1,196.1 ftKB; Date: 11/1/2018		
1,151.5	1,151.5	0.7			
1,153.1	1,153.1	0.7			
1,194.5	1,194.5	0.7			
1,196.1	1,196.1	0.7	Des: Intermediate Casing Cement; Depth MD: 26.5-5,421.0 ftKB; Date: 12/3/2018		
5,353.1	5,353.1	1.4			
5,354.8	5,354.8	1.4			
5,396.1	5,396.1	1.3			
5,398.1	5,398.1	1.3	Des: Intermediate Casing Cement; Depth MD: 26.5-11,997.0 ftKB; Date: 12/10/2018		
10,462.9	10,462.9	4.1			
11,529.7	11,529.7	2.9			
11,533.3	11,533.3	2.9			
11,926.7	11,926.7	2.1			
11,929.0	11,929.0	2.1			
11,968.6	11,968.6	2.0			
11,970.6	11,970.6	2.0	Des: Production Casing Cement; Depth MD: 10,488.0-20,432.4 ftKB; Date: 1/19/2019		
13,069.0	13,069.0	92.1			
13,068.4	13,068.4	92.3			
13,033.6	13,033.6	88.9			
13,033.6	13,033.6	88.9			
13,034.4	13,034.4	88.9			
13,034.4	13,034.4	88.9			
13,035.2	13,035.2	88.9			
13,035.2	13,035.2	88.9			

No.: 1; Des: Conductor 1; OD: 20.000 in; ID: 19.000 in; Depth MD: 26.5-146.5 ftKB; Length: 120.00 ft

No.: 2; Des: Surface; OD: 13.375 in; ID: 12.615 in; Depth MD: 26.5-1,196.1 ftKB; Length: 1,169.62 ft

No.: 3; Des: Intermediate 1; OD: 9.625 in; ID: 8.835 in; Depth MD: 26.5-5,421.0 ftKB; Length: 5,394.49 ft

No.: 4; Des: Intermediate 2; OD: 7.625 in; ID: 6.875 in; Depth MD: 26.5-11,996.9 ftKB; Length: 11,970.43 ft

No.: 5; Des: Production 1; OD: 5.500 in; ID: 3.826 in; Depth MD: 26.5-20,432.4

Directions to Well: FROM THE INTERSECTION OF NM HWY 128 & NM HWY 205, HEAD SOUTH ON NM HWY 205 FOR 8.6 MILES TO BECKHAM RD. TURN RIGHT ON BECKHAM RD, HEAD SOUTHWEST FOR 2.3 MILES. KEEP LEFT AND CONTINUE FOR 3.1 MILES TO LEASE ROAD INTERSECTION. TURN RIGHT HEADING NORTH FOR 3.8 MILES TO INTERSECTION AT A CATTLE WATER STATION. TURN RIGHT, HEADING NORTH AND KEEP LEFT, PASSING A FRAC POND ON THE RIGHT, FOR 0.6 MILES TO LEASE ROAD INTERSECTION. TURN LEFT, HEADING SOUTH, FOR 0.4 MILES TO A LEASE ROAD INTERSECTION. TURN LEFT, HEADING EAST, FOR 300 FEET. THE MADERA 19 FED COM WELL LOCATIONS WILL BE TO THE LEFT ON THE N...

Madera 19 WB Federal 5H

30-025-44901

SPUD	TD Reached	Rig Release	Total Depth	Ground Elevation	
10/31/2018	1/17/2019	1/20/2019	20450 / 13110	3185	
Casing detail	Surface	Intermediate	Production	Liner	
Date	11/1/2018	12/3/2018	12/9/2018	1/18/2019	
Hole size	17 1/2	12 1/4	8 3/4	6 1/8	
Casing size	13 3/8	9 5/8	7 5/8	5 1/2	4 1/2
Weight	54.5	40	29.7	23	15.1
Type	J55	J55	P110HC	P110HC	P110HC
Thread	STC	LTC	TMK UP ULTRA	TMK Ultra BPN	TMK Ultra BPN
Top	0	0	0	0	11559
Depth (MD)	1196	5421	11997	11559	20432
Amount jnts	28	130	305	264	226
Cement detail	Surface	Intermediate	Production	Liner	
Date	11/1/2018	12/3/2018	12/10/2018	1/19/2019	
Top depth KB	0	0	0	10,488	
Bottom depth KB	1196	5421	11997	20432	
Lead sks	810	1210	520		
Yield	1.72	2.37	3.21		
Tail sks	235	320	135	840	
Yield	1.34	1.33	1.18	1.22	
WOC to 500 psi		5.2 hrs	5.6 hrs		
Spacer	30 bbls	20 bbls	50 bbls	40 bbls GXT	
Class	C	50/50 Poz	C	G	
Circulate to surface (sks)	104	308	Trace amounts	0	
Top meas. method	Circulate	Circulate	Circulate	Calculations	
TOC	0	0	0	10488	
Pressure testing	Surface	Intermediate	Production	Liner	
Date	12/1/2018	12/4/2018	1/2/2019	1/20/2019	
PSI	1500	3119	6000	10000	
Time (min)	30	30	30	30	
Bled off	0	81	25	0	
Drop	0%	3%	0%	0%	
Good test	Yes	Yes	Yes	Yes	