

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

FORM 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

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

MAR 11 2019

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
MARATHON OIL PERMIAN LLCContact: JENNIFER VAN CUREN
E-Mail: jvancuren@marathonoil.comWell Name and No.
MADERA 19 WA FED 2H3a. Address
5555 SAN FELIPE STREET
HOUSTON, TX 770563b. Phone No. (include area code)
Ph: 713.296.25009. API Well No.
30-025-44900-00-X110. Field and Pool or Exploratory Area
JABALINA

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

Sec 19 T26S R35E SESW 352FSL 1338FWL
32.022530 N Lat, 103.410797 W Lon

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 Drilling Operations
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recomplete 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 recompletion 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.

Marathon requests that well type be changed to an oil well.

MIRU. 10/27/2019 ? Notified BLM in regards to spud. Spud on 10/28. Drill 17.5? surface from 146? to 1200?. TOH to BHA. 10/29 ? Notified BLM in regards to running and cementing 13-3/8? csg. Make up shoe track and run 13-3/8?, 54.5#, J-55 STC to 1188?. Set shoe @ 1188?. Float collar @ 1145?. Cement csg by pumping 30 bbls of spacer, 810sx of lead cmt, 325sx of tail cmt, with 486sx of cmt return to surface. 11/8 ? Perform BOP test. Test 13-3/8? csg to 1500 psi for 30 min, 50 psi drop, good test. BHA and TIH to drill out. Drill shoe track and 10? of new formation to 1210?. 11/9 ? Drill 12-1/4? hole section to 5430?. 11/10 ? Notify BLM about upcoming casing and cement job. 11/11 - Run 9-5/8? csg, 130jts of 40#, J55 LTC to 5419?. Cement csg by pumping 20 bbls of spacer, 1210sx lead cmt, 320sx tail cmt, with 317sc cmt to surface. 11/12 ? Pressure test 9-5/8? csg to 3050 psi for 30 min, 178 psi drop, good test. Drill cement, shoe track, and 10? of new formation.

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

Electronic Submission #456871 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 03/05/2019 (19PP1221SE)

Name (Printed/Typed) JENNIFER VAN CUREN

Title SR. REGULATORY COMPLIANCE REP

Signature (Electronic Submission)

Date 03/05/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Accepted for Record

MAR 05 2019

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.

Jonathon Shepard
Carlsbad Field Office

Office

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 #456871 that would not fit on the form

32. Additional remarks, continued

Perform FIT. Drill 8-3/4" from 5440' to 10246'. 11/13 ? Circulate bottoms up. TOH to BHA. TIH to 10246' and re-log last 100' gamma. 11/15 ? Continue drilling 8-3/4" from 9762' to 10246'. Flow check and circulate. TOH to BHA. TIH to 10246' and re-log last 100' gamma. 11/16 ? Drill 8-3/4" from 10246' to 12024'. 11/17 ? Flow check, circulate bottoms up, TOH to BHA. Notified BLM of upcoming 7" csg run. Run 7" csg, 290jts, 29#, P110, VA Roughneck to 12009'. 11/18 ? Notified BLM of upcoming cement job. Cement 7" csg by pumping 50bbls spacer, 715sx lead cmt, 180sx tail cmt, with 35sx cmt returns to surface. 2/4/2019 ? Pressure test 7" csg to 6000psi for 30 min, 100 psi drop, good test. Drill cement, shoe track, and 10" new formation to 12034'. Drill 6-1/8" vertical hole from 12034' to 12472'. 2/5 ? Flow check, circulate. TOH to BHA. TIH to 12472'. 2/6 ? Build 6-1/8" curve from 12472' to 12825'. Flow check, circulate. TOH to BHA. 2/7 ? TIH with whipstock to 12736' (top of slide @ 12220'). Set whipstock & shear discs. Circulate. Notify BLM in regards to cementing whipstock. 2/8 ? Pump cement plug by pumping 26 bbls of spacer and 152sx of tail cmt. TOH to BHA. TIH to 12110'. Tag cmt. Re-log last 100' of gamma. 2/9 - Continue drilling 6-1/8" hole from 12219' to 12577'. Flow check, circulate. TOH to BHA. TIH to 12466' and re-log gamma from 12466' to 12577'. Continue drilling 6-1/8" curve to 13413'. Circulate. TOH to BHA. TIH to 13313'. Re-log gamma from 13313' to 13413'. 2/13 ? Drill 6-1/8" lateral to 20402'. 2/18 ? Notified BLM of upcoming 4-1/2" liner run. Run 4-1/2" liner, 209jts, 13.5#, P110 to 20397'. 2/23 ? Notify BLM of upcoming cementing 4-1/2" liner. 2/24 ? Cement by pumping 50 bbls spacer, 835sx of tail cmt, with 138sx cmt to surface. Pressure test liner to 3675psi for 30 min, held good test. PU equipment RDMO 2/26/2019.

State/Province: NEW MEXICO	Prospect Area: RED HILLS	Field Name: WILDCAT	Well Subtype: NAD27	Latitude (°): 32.022404	Longitude (°): -103.410340
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 WA 2H BP01, 3/4/2019 1:56:50 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	Vertical schematic (actual)
4.4	-5.6	0.4	
26.6	26.6	0.4	
27.9	27.9	0.4	
28.2	28.2	0.4	
146.7	146.7	0.4	
1,143.4	1,143.3	0.5	
1,144.7	1,144.7	0.5	
1,186.4	1,186.3	0.4	
1,188.0	1,188.0	0.4	
5,324.2	5,323.3	9.3	
5,325.2	5,324.6	9.3	
5,417.0	5,365.7	8.8	
5,418.0	5,367.7	8.8	
11,662.0	11,663.2	0.8	
11,719.5	11,634.7	0.8	
11,864.2	11,879.5	1.1	
11,928.9	11,880.8	1.1	
11,973.1	11,888.3	1.2	
12,007.0	11,922.4	1.2	
12,004.9	11,924.1	1.2	
12,220.1	12,135.3	2.4	
12,711.0	12,606.7	35.1	
12,796.1	12,796.2	92.1	
12,795.4	12,795.5	92.0	
20,228.4	12,776.0	89.5	
20,223.4	12,776.0	89.5	
20,249.7	12,776.4	89.7	
20,251.7	12,776.4	89.7	
20,253.7	12,776.4	89.7	
20,259.2	12,776.6	89.7	
20,287.0	12,776.7	89.7	

Des: Conductor Cement; Depth MD: 26.5-146.5 ftKB; Date: 6/26/2018
Des: Surface Casing Cement; Depth MD: 26.5-1,187.9 ftKB; Date: 10/29/2018

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

Des: Intermediate Casing Cement; Depth MD: 26.5-5,419.0 ftKB; Date: 11/11/2018

No. 2; Des: Surface; OD: 13.375 in; ID: 12.615 in; Depth MD: 26.5-1,187.9 ftKB; Length: 1,161.45 ft

Des: Intermediate Casing Cement; Depth MD: 26.5-12,008.7 ftKB; Date: 11/18/2018

No. 3; Des: Intermediate 1; OD: 9.625 in; ID: 8.835 in; Depth MD: 26.5-5,418.9 ftKB; Length: 5,392.39 ft

Des: Cement Plug; Depth MD: 11,973.0-12,711.0 ftKB; Date: 2/8/2019

No. 4; Des: Intermediate 2; OD: 7.000 in; ID: 6.184 in; Depth MD: 5.5-12,008.7 ftKB; Length: 12,014.16 ft

Des: Liner Cement; Depth MD: 11,668.0-20,397.0 ftKB; Date: 2/24/2019

No. 5; Des: Production 1; OD: 4.500 in; ID: 3.920 in; Depth MD: 11,719.4-20,397.0 ftKB; Length: 8,677.62 ft

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 NORTH SIDE.

MADERA 19 WA FEDERAL 2H				
30-025-44900				
SPUD	TD Reached	Rig Release	Total Depth	Ground Elevation
10/28/2018	2/17/2019	2/26/2019	20402 / 12838	3185
Casing detail	Surface	Intermediate	Production	Liner
Date	10/29/2018	11/11/2018	11/17/2018	2/18/2019
Hole size	17 1/2	12 1/4	8 3/4	6 1/8
Casing size	13 3/8	9 5/8	7	4 1/2
Weight	54.5	40	29	13.5
Type	J55	J55	P110	P110
Thread	STC	LTC	VA Roughneck	VA Roughneck
Top	0	0	0	11668
Depth (MD)	1188	5419	12009	20397
Amount jnts	29	130	290	209
Cement detail	Surface	Intermediate	Production	Liner
Date	10/29/2018	11/11/2018	11/18/2018	2/24/2018
Top depth KB	0	0	0	11,668
Bottom depth KB	1188	5419	12009	20397
Lead sks	810	1210	715	
Yield	1.72	2.37	3.22	
Tail sks	235	320	180	835
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	50 bbls
Class	C	C	C	H
Circulate to surface (sks)	486	317	35	138
Top meas. method	Circulate	Circulate	Circulate	Circulate
TOC	0	0	0	11668
Pressure testing	Surface	Intermediate	Production	Liner
Date	11/8/2018	11/12/2018	2/4/2019	2/24/2019
PSI	1500	3050	6000	3675
Time (min)	30	30	30	30
Bled off	50	178	100	0
Drop	3%	6%	2%	0%
Good test	Yes	Yes	Yes	Yes