

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.

8. Well Name and No.
MADERA 19 TB FED 1H9. API Well No.
30-025-44899-00-X110. Field and Pool or Exploratory Area
WC-025 G08 S263412K11. County or Parish, State
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page

MAR 11 2019

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

MARATHON OIL PERMIAN LLC

Contact: JENNIFER VAN CUREN

E-Mail: jvancuren@marathonoil.com

3a. Address

5555 SAN FELIPE STREET
HOUSTON, TX 77056

3b. Phone No. (include area code)

Ph: 713.296.2500

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

Sec 19 T26S R35E SESW 351FSL 1368FWL
32.022404 N Lat, 103.410240 W Lon

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

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Hydraulic Fracturing☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other
Drilling Operations

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 recompleting 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.

MIRU. 10/29/2018 Notified BLM in regards to spud. Spud on 10/30/2018. Drill 17.5' surface from 146' to 1200'. TOH, rack back BHA. Notified BLM in regards of running and cementing 13-3/8" csg. Make up shoe track and run 13-3/8" csg, 29 jts, 54.5#, J55 STC to 1188'. Set shoe @ 1188'. Float collar @ 1143'. 10/31 Cement csg by pumping 30 bbls of FW spacer, 810sx of lead cmt, 235sc of tail cmt, with 222sx of cmt return to surface. 11/19 ? Perform BOP test. 11/20 ? Test 13 3/8" csg to 1525 psi for 30 min, 25 psi drop, good test. Make up 12 ??, BHA and TIH to drill out. Drill shoe track and 10' of new formation to 1210'. Drill 12 ?? hole section to 5430'. 11/22 ? Notified BLM in regards to running and cementing 9-5/8" csg. Run 9-5/8" csg, 134 jts of 40#, J55 LTC to 5418'. Cement csg by pumping 20 bbls of spacer, 1210sx lead cmt, 360sx tail cmt, with 466sx cmt to surface. 11/23 ? Pressure test 9-5/8" csg to 3069psi for 30min, 77psi drop, good test. Drill cement, shoe track, and 10' of new formation to 5440'. Perform FIT. Drill 8-3/4" from 5440' to 8300'. 8/24 ? Circulate bottoms up. TOH, change out BHA. Re-log gamma 8574' to 8663'. 11/25 ? Continue drilling 8-3/4" from

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

Electronic Submission #455381 verified by the BLM Well Information System

For MARATHON OIL PERMIAN LLC, sent to the Hobbs

Committed to AFMSS for processing by JONATHON W SHEPARD on 02/26/2019 (19JS0021SE)

Name (Printed/Typed) JENNIFER VAN CUREN

Title SR. REGULATORY COMPLIANCE REP

Signature (Electronic Submission)

Date 02/20/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Accepted for Record

FEB 26 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 **

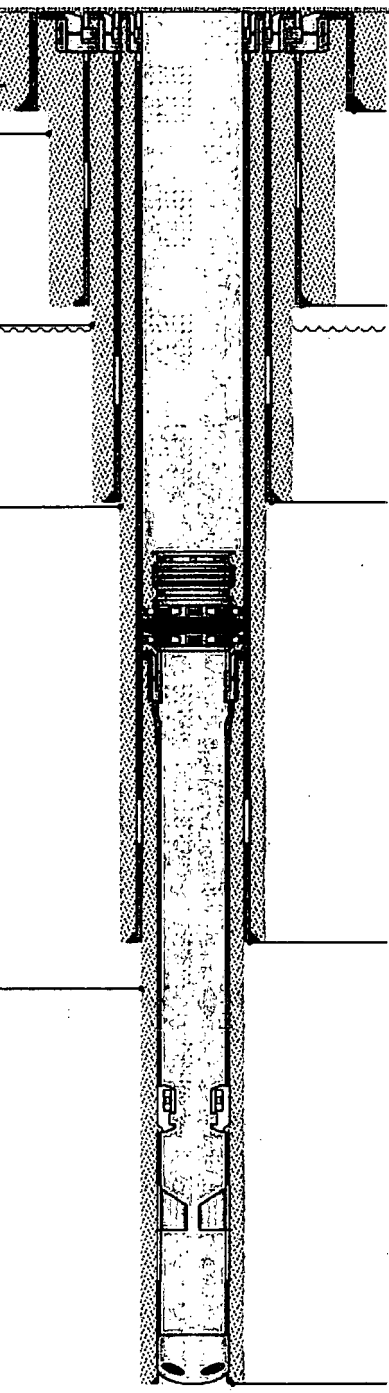
MADERA 19 TB FEDERAL 1H				
30-025-44899				
SPUD	TD Reached	Rig Release	Total Depth	Ground Elevation
10/30/2018	1/30/2019	2/3/2019	20068 / 12537	3185
Casing detail	Surface	Intermediate	Production	Liner
Date	10/30/2018	11/22/2018	11/29/2018	2/1/2019
Hole size	17 1/2	12 1/4	8 3/4	6 1/8
Casing size	13 3/8	9 5/8	7	4 1/2
Weight	54.5	40	29	13.5
Type	J55	J55	P110	P110HC
Thread	STC	LTC	VA Roughneck	VA Roughneck
Top	0	0	0	11601
Depth (MD)	1188	5418	11927	20064
Amount jnts	28	134	288	203
Cement detail	Surface	Intermediate	Production	Liner
Date	10/31/2018	11/22/2018	11/29/2018	2/2/2019
Top depth KB	0	0	0	11,601
Bottom depth KB	1188	5418	11927	20064
Lead sks	810	1210	650	
Yield	1.72	2.37	3.21	
Tail sks	235	360	175	785
Yield	1.34	1.33	1.18	1.22
WOC to 500 psi		5.2 hrs	5.6 hrs	
Spacer	30 bbls FW	20 bbls	50 bbls	50 bbls GXT
Class	C	C	C	H
Circulate to surface (sks)	222	466	Trace	138
Top meas. method	Circulate	Circulate	Circulate	Circulate
TOC	0	0	0	11601
Pressure testing	Surface	Intermediate	Production	Liner
Date	11/20/2018	11/23/2018	1/21/2019	2/2/2019
PSI	1525	3069	6125	3740
Time (min)	30	30	30	30
Bled off	25	77	30	0
Drop	2%	3%	0%	0%
Good test	Yes	Yes	Yes	Yes

Wellbore Schematic

Well Name: **MADERA 19 FEDERAL 26 35 19 TB 1H**

State/Province NEW MEXICO	Prospect Area RED HILLS	Field Name JABALINA SOUTHWEST	Well Subtype 	Lat/Lng Datum NAD27	Latitude (°) 32.022404	Longitude (°) -103.410244
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 TB 1H, 2/20/2019 10:53:52 AM

MD (ftKB)	TVD (ftKB)	Incl (°)	Vertical schematic (actual)
26.8	26.6	0.8	 <p>Des: Conductor Cement; Depth MD: 26.5-146.5 ftKB; Date: 6/26/2018</p> <p>Des: Surface Casing Cement; Depth MD: 26.5-1,187.9 ftKB; Date: 10/31/2018</p> <p>Des: Intermediate Casing Cement; Depth MD: 26.5-5,418.1 ftKB; Date: 11/22/2018</p> <p>Des: Intermediate Casing Cement; Depth MD: 26.5-11,926.9 ftKB; Date: 11/29/2018</p> <p>Des: Production Casing Cement; Depth MD: 11,600.5-20,064.0 ftKB; Date: 2/3/2019</p> <p>No. 1: Des: Conductor 1; OD: 20.000 in; ID: 19.000 in; Depth MD: 26.5-146.5 ftKB; Length: 120.00 ft</p> <p>No. 2: Des: Surface; OD: 13.375 in; ID: 12.615 in; Depth MD: 26.5-1,187.9 ftKB; Length: 1,161.38 ft</p> <p>No. 3: Des: Intermediate 1; OD: 9.625 in; ID: 8.835 in; Depth MD: 26.5-5,418.1 ftKB; Length: 5,391.57 ft</p> <p>No. 4: Des: Intermediate 2; OD: 7.000 in; ID: 6.184 in; Depth MD: 26.5-11,926.9 ftKB; Length: 11,900.44 ft</p> <p>No. 5: Des: Production 1; OD: 4.500 in; ID: 2.000 in; Depth MD: 11,600.5-20,064.0 ftKB; Length: 8,463.54 ft</p>
27.9	27.9	0.8	
146.7	146.7	0.8	
1,143.3	1,143.3	0.4	
1,144.6	1,144.6	0.4	
1,186.3	1,186.3	0.3	
1,187.9	1,187.9	0.3	
5,326.6	5,326.6	8.7	
5,327.9	5,327.9	8.7	
5,369.1	5,369.1	8.6	
5,370.7	5,370.7	8.5	
11,639.2	11,639.2	1.4	
11,656.6	11,656.6	1.5	
11,658.9	11,658.9	1.5	
11,664.1	11,664.1	1.5	
11,665.8	11,665.8	1.5	
11,622.0	11,622.0	1.1	
11,623.3	11,623.3	1.1	
11,863.9	11,863.9	1.2	
11,865.6	11,865.6	1.2	
12,636.0	12,636.0	90.4	
12,636.0	12,636.0	90.5	
12,496.1	12,496.1	89.9	
12,496.1	12,496.1	89.9	
12,496.2	12,496.2	89.9	
12,496.2	12,496.2	89.9	
12,496.2	12,496.2	89.9	
12,496.3	12,496.3	89.9	
12,496.3	12,496.3	89.9	

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.