

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.
NMNM86024

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

8. Well Name and No.
BLUE STEEL 21 WA FEE 2H

9. API Well No.
30-015-46069-00-X1

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
MARATHON OIL PERMIAN LLC
Contact: ADRIAN COVARRUBIAS
E-Mail: ADRIAN.COVARRUBIAS@ARCADIS.COM

3a. Address
5555 SAN FELIPE ST
HOUSTON, TX 77056

3b. Phone No. (include area code)
Ph: 806.752.6153

10. Field and Pool or Exploratory Area
PURPLE SAGE-WOLFCAMP (GAS)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 28 T23S R29E NWNW 270FNL 1105FWL
32.282478 N Lat, 103.994904 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 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.

MIRU. 8/27/2019. Notified BLM in regards to spud, casing, and cementing surface hole. Spud well. Drill 17.5' surface hole to 375'. 8/28 ? Run 13 3/8' csg, 9 jts, 54.5#, J55 STC to 375'. Cement csg by pumping 30 bbls of spacer and 490 sks of lead cement with no cement to surface. Perform top job on surface casing by pumping 623 sacks of cement to surface. Perform BOP test. 8/29 ? Pressure test 13 3/8' csg to 1500 for 30 min, held, good test. 8/30 ? Drill shoe track and 10' of new formation to 385'. Drill 12 ?? hole to 3073'. Notified BLM of upcoming casing and cement job. 8/31 ? Run 9 5/8' csg, 40#, J55, LTC to 3063'. 9/1 ? Cement csg by pumping 60 bbls of spacer, 755 sks lead cmt, 200 sks tail cmt, with no cement to surface. 9/2 ? Notified BLM of upcoming cement squeeze job. Perform squeeze job by pumping 77bbls of cement to surface. 12/8 ? Pressure test 9 5/8' csg to 2200 psi for 30 min, 20 psi drop, good test. Drill cement, shoe track, and 10' of new formation to 3083'. 12/9 ? Drill 8 ?? vertical to 9720?. 12/11 ? Flow check. Circulate bottoms up. TOOH to BHA. 12/12 ? Pick up 8 ?? curve. TIH to 9620?. Re-log gamma from 9620? to 9720?. 12/13 ?. Notified BLM

GC 1/28/20
Accepted for record - NMOCD

RECEIVED
JAN 28 2020

EMNRD-OCD ARTESIA

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

Electronic Submission #499902 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 01/21/2020 (20PP0962SE)

Name (Printed/Typed) ADRIAN COVARRUBIAS Title ENVIRONMENTAL ENGINEER

Signature (Electronic Submission) Date 01/20/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED** Title JONATHON SHEPARD
PETROLEUM ENGINEER Date 01/23/2020

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 ****

1/31/20 KS

Additional data for EC transaction #499902 that would not fit on the form

32. Additional remarks, continued

about upcoming 7? casing and cement job. Drill 8 ?? curve to 10355?. Flow check. TOH to BHA. 12/14 ? Run 7? csg, 251 jts, P110, Roughneck to 10343?. 12/15 ? Cement 7? csg by pumping 50 bbls spacer, 1010 sks of lead cmt, 200 sks of tail cmt, with no cement to surface. Notified BLM of no cement to surface and upcoming squeeze job. 12/16 ? Perform squeeze job by pumping 1276 sks of tail. 12/17 ? Continue squeeze job by pumping 1131 sks to surface. 12/18 ? Pressure test 7? csg, to 3120 psi for 30 min, held, good test. Drill cement, shoe track, and 10? of new formation to 10365?. Drill 6 1/8? curve to 10570?. Drill 6 1/8? lateral to 11816?. TOH to BHA. Flow check. 12/20 ? TIH to 11716?. Re-log gamma from 11716? to 11816?. Continue drilling 6 1/8? lateral to 16928?. 12/26 ? Flow check. Circulate bottoms. TOOH to BHA. TIH to 16828?. Re-log gamma from 16828? to 16928?. Continue drilling 6 1/8? lateral to 20365? (TD on 1/1/2020). 1/2 ? Run 4 ?? csg, 257 jts, 13.5#, P110, Roughneck to 20355?. 1/3 ? Cement csg by pumping 40 bbls of spacer and 1150 sks of lead cement. Pressure test csg to 4014 psi for 30 min, held, good test. RDMO 1/4/2020.

UNRECORDED
40
UNRECORDED

Revisions to Operator-Submitted EC Data for Sundry Notice #499902

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	DRG SR	DRG SR
Lease:	NMNM86024	NMNM86024
Agreement:		
Operator:	MARATHON OIL PERMIAN LLC 5555 SAN FELIPE ST HOUSTON, TX 77056 Ph: 713-296-3179	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 ENVIRONMENTAL ENGINEER E-Mail: ADRIAN.COVARRUBIAS@ARCADIS.COM Ph: 806.752.6153
Tech Contact:	ADRIAN COVARRUBIAS REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com Ph: 713-296-3368	ADRIAN COVARRUBIAS ENVIRONMENTAL ENGINEER E-Mail: ADRIAN.COVARRUBIAS@ARCADIS.COM Ph: 806.752.6153
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	PURPLE SAGE WOLFCAMP GAS	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	BLUE STEEL 21 WA FEE 2H Sec 28 T23S R29E Mer NMP NWNW 270FNL 1105FWL	BLUE STEEL 21 WA FEE 2H Sec 28 T23S R29E NWNW 270FNL 1105FWL 32.282478 N Lat, 103.994904 W Lon