

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.
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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

BLUE STEEL 21 WA FEE 9H

2. Name of Operator

MARATHON OIL PERMIAN LLC

Contact: ADRIAN COVARRUBIAS

E-Mail: ADRIAN.COVARRUBIAS@ARCADIS.COM

9. API Well No.

30-015-45895-00-X1

3a. Address

5555 SAN FELIPE ST
HOUSTON, TX 77056

3b. Phone No. (include area code)

Ph: 8067526153

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 1225FWL
32.282478 N Lat, 103.994514 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.

MIRU. 8/24/2019 ? Notified BLM on intent to spud and upcoming casing and cement job. Spud well. Drill 17 ?? hole to 375?. Run 13 3/8? csg. 8 jts, 54.5#, J55 STC to 375?. Cement casing by pumping 30 bbls of spacer, 490 sks of lead cement with 148 sks of cement to surface. BLM on site to witness cement job. TA cap. MDRD. 10/3 ? MIRU. Perform BOP test. 10/5 ? Pressure test 13 3/8? csg to 1500 psi for 30 min, held, good test. Drill float equipment, cement and 10? of new formation to 385?. Drill 12 ?? section to 796?. Flow check. TOOH to BHA. Re-test BOPE test. TIH to 796?. Drill 12 ?? to 2995?. 10/6 ? Notified BLM of intent to run and cement job. 10/7 - Run 9 5/8? csg. 74 jts, 40#, J55 LTC to 2982?. Cement casing by pumping 20 bbls of spacer, 920 sks of lead cement, and 200 sks of tail cement, with 552 sks of cement to surface. Install TA cap. Rig Down. 11/5 ? Rig Up. Pressure test 9 5/8? csg to 2100 psi for 30 min, 80 psi drop, good test. Test BOPE. 11/6 ? Drill cement shoe track and 10? of new formation to 3005?. Drill 8 ?? vertical to 9712?. 11/9 ? Flow check. TOOH to BHA. TIH to 9612?. Re-log gamma from 9612? to 9712?. 11/10 ? Continue to drill 8 ??

GC 12/10/19
Accepted for record - NMOC

RECEIVED

DEC 03 2019

DISTRICT-ARTESIA O.C.D.

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

Electronic Submission #492925 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 11/20/2019 (20PP0497SE)

Name (Printed/Typed) ADRIAN COVARRUBIAS

Title ENVIRONMENTAL ENGINEER

Signature (Electronic Submission)

Date 11/19/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title Accepted for Record

NOV 20 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.

Office
Jonathon Shepard
Carlsbad Field 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 #492925 that would not fit on the form

32. Additional remarks, continued

vertical to 10653?. Flow check. TOOH to BHA. Lay down curve BHA, Pick up lateral BHA. TIH to 10550?. Re-log gamma from 10550? to 10652?. 11/11 ? Drill 8 ?? lateral to 11429?. Shut in and monitor pressures. Circulate. 11/13 ? TOH to BHA. Flow check. 11/14 ? Run 7?, 278 jts, 29#, P110 Roughneck csg to 11429?. 11/15 - Cement csg by pumping 50 bbls spacer, 1160 sks of lead cement, 600 sks of tail cement with no cement to surface. Liner pressure test will be done during completions. RDMD 11/16/2019.

BLUE STEEL 21 WA FEE 9H				
30-015-45895				
SPUD	TD Reached	Rig Release	Total Depth	Ground Elevation
8/24/2019	11/12/2019	11/16/2019	11429 / 10263	3001
Casing detail	Surface	Intermediate	Production	
Date	8/24/2019	10/7/2019	11/14/2019	
Hole size	17 1/2	12 1/4	8 3/4	
Casing size	13 3/8	9 5/8	7	
Weight	54.5	40	29	
Type	J55	J55	P110	
Thread	STC	LTC	Roughneck	
Top	0	0	0	
Depth (MD)	370	2982	11412	
Amount jnts	8	74	278	
Cement detail	Surface	Intermediate	Production	
Date	8/24/2019	10/7/2019	11/15/2019	
Top depth KB	0	0	7570	
Bottom depth KB	370	2995	11429	
Lead sks	490	920	1160	
Yield	1.63	1.91	1.78	
Tail sks		200	600	
Yield		1.35	1.07	
Spacer	30 BBLS		50 BBLS	
Class	C	35/65 Poz C	50/50 Poz H	
Circulate to surface (sks)	148	552	0	
Top meas. method	CIRCULATE	CIRCULATE	CIRCULATE	
TOC	0	0	0	
Pressure testing	Surface	Intermediate	Production	
Date	10/5/2019	11/5/2019		
PSI	1500	2100		
Time (min)	30	30		
Bled off	0	80		
Drop	0%	4%		
Good test	Yes	Yes		

State/Province NEW MEXICO	Country UNITED STATES	Field Name PURPLE SAGE	Latitude (°) 32.28235590	Longitude (°) -103.99402510	North/South Distance (ft) 270.0	North/South Reference FNL
API/ I/O UWI 3001545895	KB-Ground Distance (ft) 27.00	KB-Mud Line Distance (ft)	Ground Elevation (ft) 3,001.00	Drilling Rig Spud Date 8/24/2019	Well Original Completion Date	Well First Production Date

HORIZONTAL, BLUE STEEL 21 WA FEE 009H, 11/19/2019 11:14:03 AM

