

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.  
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 WXY FED COM 12H

2. Name of Operator

MARATHON OIL PERMIAN LLC

Contact: ADRIAN COVARRUBIAS

E-Mail: acovarrubias@marathonoil.com

9. API Well No.

30-015-45896-00-X1

3a. Address

5555 SAN FELIPE ST  
HOUSTON, TX 77056

3b. Phone No. (include area code)

Ph: 713.296.3368

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 NENE 1219FNL 997FEL  
32.279873 N Lat, 103.984337 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.

3/14/2020 ? Rig up. 3/15 ? Pressure test 9-5/8? csg to 2100 psi for 30 min, held, good test. Drill shoe track and 10? of new formation to 3050?. 3/16 ? Drill 8-3/4? vertical to 9622?. 3/19 ? Flow check and circulate bottoms up. TOH to BHA. Pick up curve BHA. TIH and re-log gamma from 9522? to 9622?. 3/20 ? Drill 8-3/4? curve to 10692?. Flow check. TOH to BHA. Pick up lateral BHA and TIH. 3/22 ? Re-log gamma from 10233 to 10595?. Drill 8-1/2 lateral to 20267? (TD). Reached TD on 3/26. 3/26 ? Run 5-1/2?, 20#, P110, VA Roughneck to 20259?. 3/27 ? Cement csg by pumping 50 bbls spacer, 800 sks of lead cement, and 2120 sks of tail cement with 405 sks of cement to surface. Rig Release on 3/29/2020. Pressure test for 5-1/2? csg will be performed during completions.

gc 4/20/2020

Accepted for record – NMOCD

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

**Electronic Submission #508936 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 03/30/2020 (20PP1837SE)**

Name (Printed/Typed) ADRIAN COVARRUBIAS

Title REGULATORY PROFESSIONAL

Signature (Electronic Submission)

Date 03/30/2020

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By

ACCEPTED

JONATHON SHEPARD  
Title PETROLEUM ENGINEER

Date 04/07/2020

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 \*\***

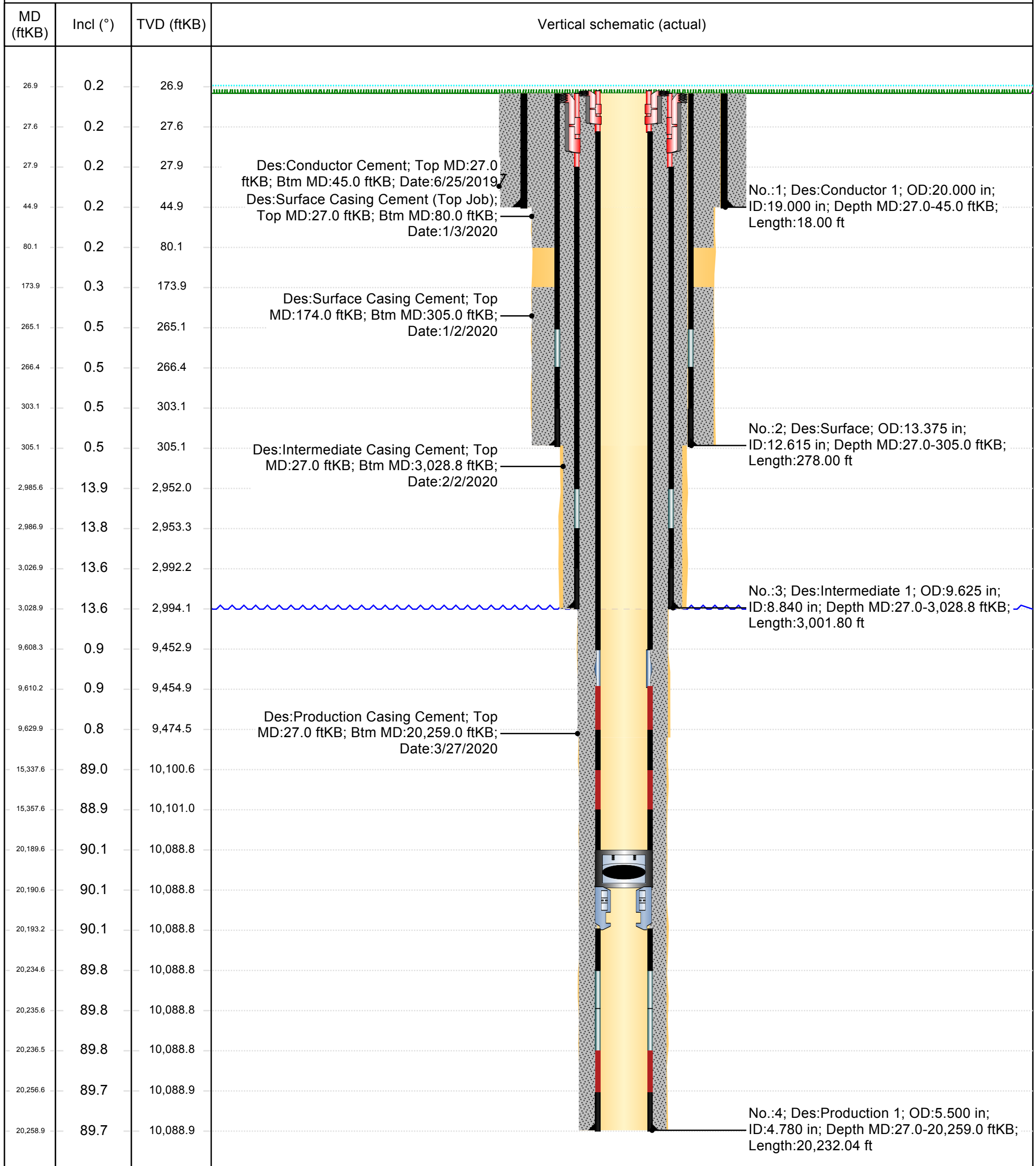
## Revisions to Operator-Submitted EC Data for Sundry Notice #508936

	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: 713-296-3368	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 REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com  Ph: 713.296.3368
Tech Contact:	ADRIAN COVARRUBIAS REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com  Ph: 713-296-3368	ADRIAN COVARRUBIAS REGULATORY PROFESSIONAL E-Mail: acovarrubias@marathonoil.com  Ph: 713.296.3368
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	PURPLE SAGE; WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	BLUE STEEL 21 WXY FEDERAL COM 12H Sec 28 T23S R29E Mer NMP NENE 1219FNL 967FEL	BLUE STEEL 21 WXY FED COM 12H Sec 28 T23S R29E NENE 1219FNL 997FEL 32.279873 N Lat, 103.984337 W Lon

**Wellbore Schematic**  
**Well Name: BLUE STEEL 21 WXY FED COM 12H**

State/Province <b>NEW MEXICO</b>	Country <b>UNITED STATES</b>	Field Name <b>MALAGA</b>	Latitude (°) <b>32.27975120</b>	Longitude (°) <b>-103.98394400</b>	North/South Distance (ft) <b>1,219.0</b>	North/South Reference <b>FNL</b>
API/ IPO UWI <b>3001545896</b>	KB-Ground Distance (ft) <b>27.00</b>	KB-Mud Line Distance (ft)	Ground Elevation (ft) <b>2,998.00</b>	Drilling Rig Spud Date <b>1/30/2020</b>	Well Original Completion Date	Well First Production Date

HORIZONTAL, BLUE STEEL 21 WXY FED COM 12H, 3/30/2020 1:40:15 PM



BLUE STEEL 21 WXY FED COM 12H			API	SPUD Date
			30-015-45896	12/31/2020
TD Date	TD	PBTD	Rig Released	Ground Elevation
3/26/2020	20267	20235	3/29/2020	2998
Casing detail	Surface		Intermediate	Production
Date	1/2/2020		2/2/2020	3/26/2020
Hole size	17 1/2		12 1/4	8.75 - 8.5
Casing size	13 3/8		9 5/8	5 1/2
Weight	54.5		40	20
Type	J55		J55	P110
Thread	STC		LTC	VA Roughneck
Top	0		0	0
Depth (MD)	305		3029	20259
Amount jnts	8		75	488
Cement detail	Surface	SURF Top	Intermediate	Production
Date	1/2/2020	1/3/2020	2/2/2020	3/27/2020
Top depth KB	174	0	0	0
Bottom depth KB	305	80	3030	20259
Lead sks			795	800
Yield			2.19	4.51
Tail sks	455	80	195	2120
Yield	1.32		1.32	1.57
Spacer	40 BBLS		50 bbls	50 BBLS
Class	C		C	50/50 Poz
Circulate to surface (sks)	0	0	325	405
Top meas. method	CALCULATION	CIRCULATE	CIRCULATE	CIRCULATE
TOC	174	0	0	0
Pressure testing	Surface		Intermediate	Production
Date	1/31/2020		3/15/2020	
PSI	1500		2100	
Time (min)	30		30	
Bled off	100		0	
Drop	7%		0%	#DIV/0!
Good test	Yes		Yes	Yes