

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.  
NMNM119272

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. BLUE STEEL 21 WA FED COM 15H
2. Name of Operator MARATHON OIL PERMIAN LLC		9. API Well No. 30-015-45899-00-X1
3a. Address 5555 SAN FELIPE ST HOUSTON, TX 77056		10. Field and Pool or Exploratory Area PURPLE SAGE-WOLFCAMP (GAS)
3b. Phone No. (include area code) Ph: 713.296.3368		11. County or Parish, State EDDY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 28 T23S R29E NENE 1219FNL 967FEL 32.279873 N Lat, 103.984238 W Lon		

**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.

4/13/2020 ? Rig Up. 4/14 ? Pressure test ?? csg to 1540 psi for 30 min, 15 psi drop, good test.  
4/15 ? Drill 6-1/8? curve to 10785?. Drill 6-1/8? lateral to 10929?. Flow check and circulate bottoms up. TOH to BHA. Change BHA and TIH. 4/16 ? Re-log gamma from 10790? to 10929?. Continue drilling 6-1/8? lateral to 12930?. 4/18 ? Flow check and circulate bottoms up. TOH to BHA. Pick up BHA and TIH and re-log gamma from 12830? to 12930?. 4/19 ? Continue drilling 6-1/8? lateral to 16374?. 4/21 ? Flow check and circulate bottoms up. TOH to BHA and change BHA. TIH and re-log gamma from 16270? to 16374?. 4/23 ? Continue drilling 6-1/8? lateral to 20323? (TD). TD reached on 4/27/2020. 4/27 ? Flow check and circulate bottoms up. TOH. 4/28 ? Run 4-1/2?, 13.5#, P110, VA Roughneck, from 9618? to 20322?. 4/29 ? Cement liner by pumping 40 bbls of spacer and 975 sks of cement with 205 sks of cement to surface. Pressure test liner to 3750 psi for 30 min, held, good test. Rig release on 4/30/2020.

Entered 05/12/2020 - KMS NMOCD

14. I hereby certify that the foregoing is true and correct.	
<b>Electronic Submission #513877 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 05/05/2020 (20PP2632SE)</b>	
Name (Printed/Typed) ADRIAN COVARRUBIAS	Title REGULATORY PROFESSIONAL
Signature (Electronic Submission)	Date 05/04/2020

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

Approved By <b>ACCEPTED</b>	JONATHON SHEPARD Title PETROLEUM ENGINEER	Date 05/07/2020
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)

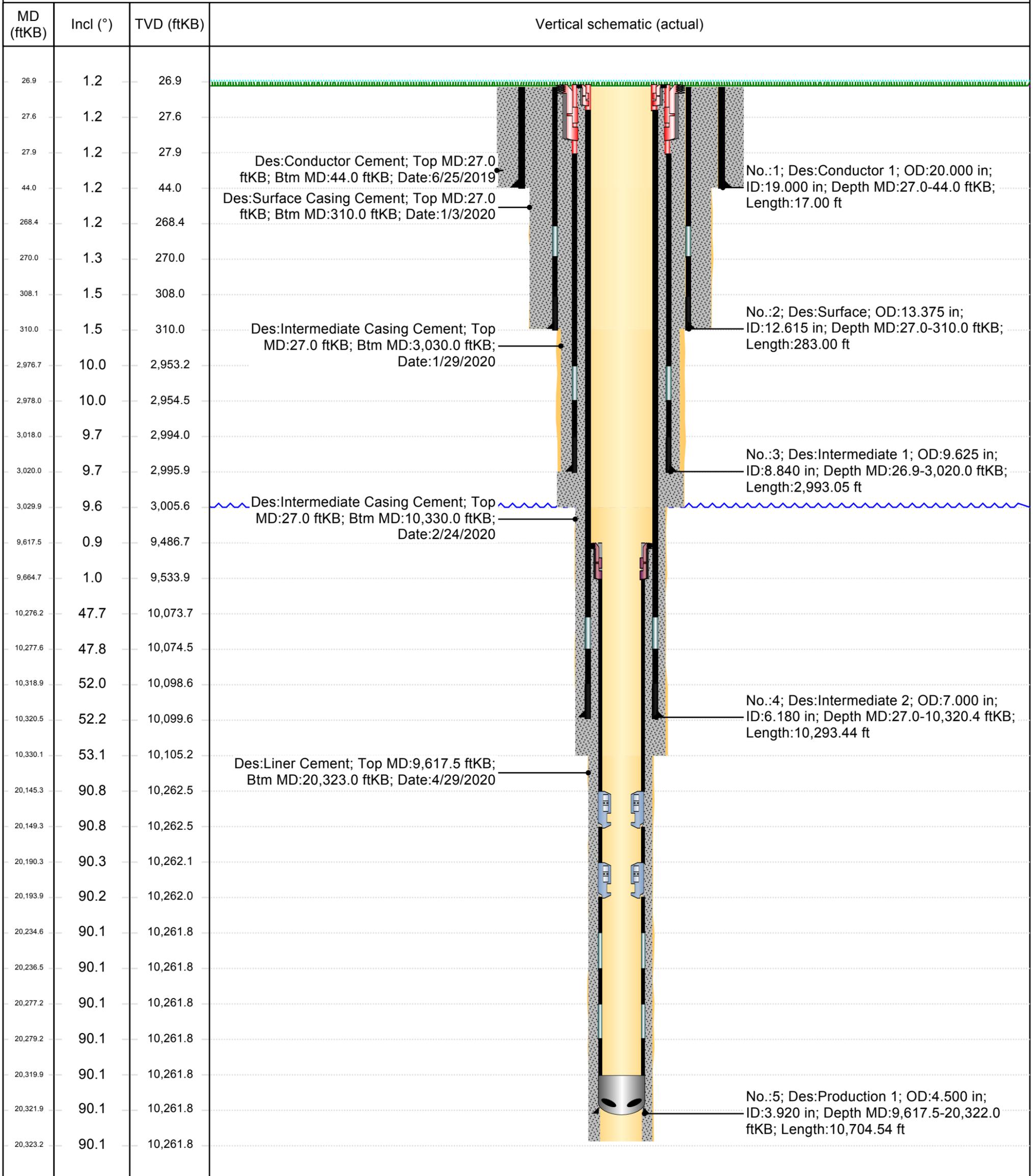
**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

## Revisions to Operator-Submitted EC Data for Sundry Notice #513877

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	DRG SR	DRG SR
Lease:	NMNM119272	NMNM119272
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 WA FEDERAL COM 15H Sec 28 T23S R29E Mer NMP NENE 1220FNL 937FEL	BLUE STEEL 21 WA FED COM 15H Sec 28 T23S R29E NENE 1219FNL 967FEL 32.279873 N Lat, 103.984238 W Lon

State/Province <b>NEW MEXICO</b>	Country <b>UNITED STATES</b>	Field Name <b>MALAGA</b>	Latitude (°) <b>32.27951430</b>	Longitude (°) <b>-103.98384690</b>	North/South Distance (ft) <b>1,219.0</b>	North/South Reference <b>FNL</b>
API/ IPO UWI <b>3001545899</b>	KB-Ground Distance (ft) <b>27.00</b>	KB-Mud Line Distance (ft)	Ground Elevation (ft) <b>2,995.00</b>	Drilling Rig Spud Date <b>1/26/2020</b>	Well Original Completion Date	Well First Production Date

**HORIZONTAL, BLUE STEEL 21 WA FED COM 015H, 5/4/2020 10:15:09 AM**



Des: Conductor Cement; Top MD: 27.0 ftKB; Btm MD: 44.0 ftKB; Date: 6/25/2019

Des: Surface Casing Cement; Top MD: 27.0 ftKB; Btm MD: 310.0 ftKB; Date: 1/3/2020

Des: Intermediate Casing Cement; Top MD: 27.0 ftKB; Btm MD: 3,030.0 ftKB; Date: 1/29/2020

Des: Intermediate Casing Cement; Top MD: 27.0 ftKB; Btm MD: 10,330.0 ftKB; Date: 2/24/2020

Des: Liner Cement; Top MD: 9,617.5 ftKB; Btm MD: 20,323.0 ftKB; Date: 4/29/2020

No.: 1; Des: Conductor 1; OD: 20.000 in; ID: 19.000 in; Depth MD: 27.0-44.0 ftKB; Length: 17.00 ft

No.: 2; Des: Surface; OD: 13.375 in; ID: 12.615 in; Depth MD: 27.0-310.0 ftKB; Length: 283.00 ft

No.: 3; Des: Intermediate 1; OD: 9.625 in; ID: 8.840 in; Depth MD: 26.9-3,020.0 ftKB; Length: 2,993.05 ft

No.: 4; Des: Intermediate 2; OD: 7.000 in; ID: 6.180 in; Depth MD: 27.0-10,320.4 ftKB; Length: 10,293.44 ft

No.: 5; Des: Production 1; OD: 4.500 in; ID: 3.920 in; Depth MD: 9,617.5-20,322.0 ftKB; Length: 10,704.54 ft

BLUE STEEL 21 WA FED COM 15H			API	SPUD Date
			30-015-45899	1/2/2020
TD Date	TD	PBTD	Rig Released	Ground Elevation
4/27/2020	20323	20277	4/30/2020	2995
Casing detail	Surface	Intermediate	Production	Liner
Date	1/3/2020	1/29/2020	2/23/2020	4/28/2020
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 Rougneck
Top	0	0	0	9618
Depth (MD)	310	3020	10320	20322
Amount jnts	8	75	252	261
Cement detail	Surface	Intermediate	Production	Liner
Date	1/3/2020	1/29/2020	2/24/2020	4/29/2020
Top depth KB	0	0	0	9,618
Bottom depth KB	310	3030	10330	20323
Lead sks		795	725	
Yield		2.19	4.88	
Tail sks	747	195	150	975
Yield	1.32	1.32	1.39	1.37
Spacer	20 BBLS	50 bbls	40 BBLS	40 BBLS
Class	C	C	Premium PI	H
Circulate to surface (sks)	64	757	257	205
Top meas. method	CIRCULATE	CIRCULATE	CIRCULATE	CIRCULATE
TOC	0	0	0	0
Pressure testing	Surface	Intermediate	Production	Liner
Date	1/27/2020	2/14/2020	4/14/2020	4/29/2020
PSI	1500	2100	1540	3750
Time (min)	30	30	30	30
Bled off	30	30	15	0
Drop	2%	1%	1%	0%
Good test	Yes	Yes	Yes	Yes