

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**Carlsbad Field Office**
OCD ArtesiaFORM 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 FB FEE 21H

2. Name of Operator

MARATHON OIL PERMIAN LLC

Contact: ADRIAN COVARRUBIAS

E-Mail: ADRIAN.COVARRUBIAS@ARCADIS.COM

9. API Well No.

30-015-45901-00-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

LAGUNA SALADO-BONE SPRING

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

Sec 28 T23S R29E NWNW 270FNL 1165FWL
32.282478 N Lat, 103.994713 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. 8/25/2019 ? Notified BLM of spud notice and casing and pumping surface cement. Spud well. Drill 17.5? surface hole to 375?. 8/26 ? 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 211 sks of cement to surface. BLM witnessed cement job. RDMO. 9/7 ? MIRU. Perform BOP test. Pressure test 13 3/8? csg to 1500 psi for 30 min, 95 psi drop, good test. Drill shoe track and 10? of new formation to 385?. Drill 12 ?? section to 2987?. 9/8 ? Flow check well. Notified BLM of intent to run and cement 9 5/8? csg. 9/9 ? Run 9 5/8? csg, 74 jts of 36#, J55 LTC to 2972?. Cement csg by pumping 20 bbls of spacer, 920 sks lead cement, 200 sks of tail cement, with 493 sks of cement to surface. 9/19 ? Test BOPE. Witnessed by BLM. 9/20 ? Pressure test 9 5/8? csg to 2100 psi for 30 min, held, good test. 9/22 ? Drill cement shoe track and 10? of new formation to 2997?. 9/23 ? Drill 8 ?? vertical from 2997? to 6451?. Flow check and circulate bottoms up. TOOH to BHA. TIH to 6531 and re-log gamma from 6351? to 6451?. 9/24 ? Continue drilling 8 ?? vertical from 6451? to 8287?. Drill 8 ?? lateral from 8287? to

GC 10/10/19
Accepted for record - NMOCD**NM OIL CONSERVATION**
ARTESIA DISTRICT

OCT 07 2019

RECEIVED

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

Electronic Submission #486142 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 10/03/2019 (20PP0031SE)

Name (Printed/Typed) ADRIAN COVARRUBIAS

Title ENVIRONMENTAL ENGINEER

Signature (Electronic Submission)

Date 10/02/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title **Accepted for Record**Date **OCT 03 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 #486142 that would not fit on the form

32. Additional remarks, continued

12770?. 9/28 ? Flow check well. Notified BLM of upcoming 5 ?? production casing run and cement job.
9/29 ? Run 5 ??, 288 its, 17#, P110 BHT csg to 12756?. 9/30 ? Cement liner by pumpking 50 bbls
spacer, 1055 sks of lead cement, and 1635 sks of tail cement, with 822 sks cement to surface. Liner
pressure test will be done during completions. RDMO 10/1/2019.



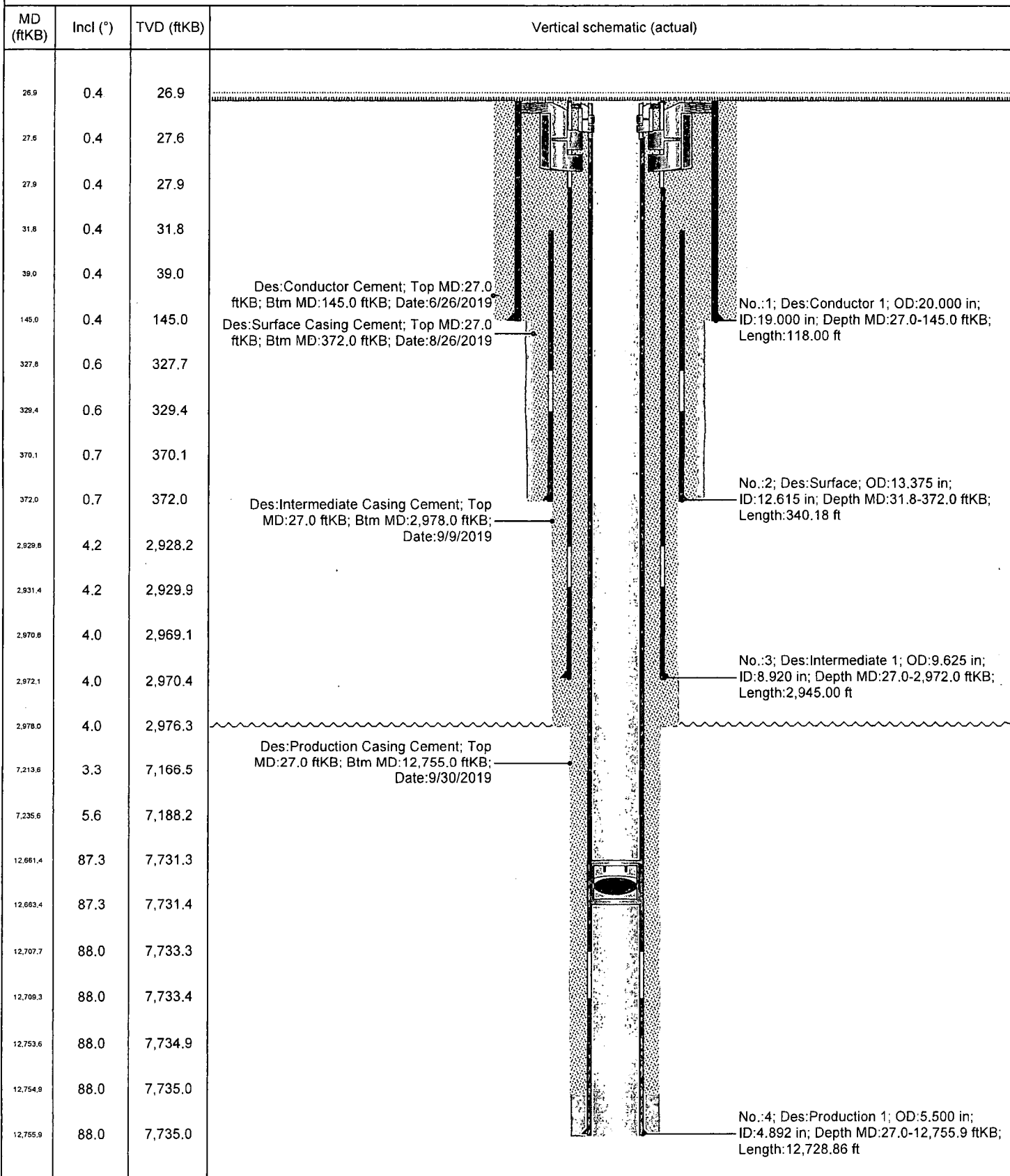
Marathon Oil

Wellbore Schematic

Well Name: BLUE STEEL 21 FB FEE 021H

State/Province NEW MEXICO	Country UNITED STATES	Field Name LAGUNA SALADO	Latitude (°) 32.28396565	Longitude (°) -103.99577899	North/South Distance (ft)	North/South Reference
API/ I/O UWI 3001545901	KB-Ground Distance (ft) 27.00	KB-Mud Line Distance (ft)	Ground Elevation (ft) 3,001.00	Drilling Rig Spud Date 8/25/2019	Well Original Completion Date	Well First Production Date

HORIZONTAL, BLUE STEEL 21 FB FEE 021H, 10/2/2019 8:59:46 AM



BLUE STEEL 21 FB FEE 21H

30-015-45901

SPUD	TD Reached	Rig Release	Total Depth	Ground Elevation
8/25/2019	9/28/2019	10/1/2019	12770 / 7736	3001
Casing detail	Surface	Intermediate	Production	
Date	8/26/2019	9/9/2019	9/29/2019	
Hole size	17 1/2	12 1/4	8 3/4	
Casing size	13 3/8	9 5/8	5 1/2	
Weight	54.5	36	17	
Type	J55	J55	P110	
Thread	STC	LTC	CYHP BHT	
Top	0	0	0	
Depth (MD)	372	2972	12756	
Amount jnts	9	74	288	
Cement detail	Surface	Intermediate	Production	
Date	8/26/2019	9/9/2019	9/30/2019	
Top depth KB	0	0	0	
Bottom depth KB	372	2978	12755	
Lead sks	490	920	1055	
Yield	1.63	1.91	2.49	
Tail sks		200	1635	
Yield		1.33	1.14	
Spacer	30 BBLS	20 BBLS	50 BBLS	
Class	C	35/65 Poz C	C	
Circulate to surface (sks)	211	493	822	
Top meas. method	CIRCULATE	CIRCULATE	CIRCULATE	
TOC	0	0	0	
Pressure testing	Surface	Intermediate	Production	
Date	9/7/2019	9/20/2019		
PSI	1500	2100		
Time (min)	30	30		
Bled off	95	0		
Drop	6%	0%		
Good test	Yes	Yes		