

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
OCD Artesia

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
BLUE STEEL 21 FB FEE 25H

2. Name of Operator
MARATHON OIL PERMIAN LLC
Contact: MELISSA SZUDERA
E-Mail: mszudera@marathonoil.com

9. API Well No.
30-015-45892-00-X1

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

3b. Phone No. (include area code)
Ph: 713-296-3179

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 1135FWL
32.282478 N Lat, 103.994804 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.

*GC 10/10/19
Accepted for record - NMOCD*

MIRU. 8/26/2019 Notified BLM in regards to spud, casing, and cementing surface hole. Spud well. Drill 17.5' surface from 98' to 375'. TOH. 8/27 ? Run 13 3/8" csg, 9 jts, 54.5#, J55 STC to 369'. Cement csg by pumping 30 bbls spacer and 369 sks of lead cement with no cement to surface observed. BLM witnessed cement job. RDMO. 8/27 ? Performed top cement job by pumping 50 bbls of cement down backside. No cement to surface observed. 8/28 ? Pumped additional 18 bbls of cement. Cement to surface observed. MIRU. 9/3 ? Perform BOP test. Pressure test 13 3/8" csg to 1500 psi for 30 min, 95 psi drop, good test. 9/4 - Make up 12 ??, BHA and TIH to drill out. Drill shoe track and 10' of new formation to 635'. Drill 12 ?? section to 2993'. 9/5 ? Notified BLM of intent to run and cement 9 5/8" csg. 9/6 - Run 9 5/8" csg, 76 jts of 36#, J55 LTC to 2978'. Cement csg by pumping 20 bbls of spacer, 1005 sks lead cmt, 2005 sks of tail cmt, with no cement to surface observed. Notified BLM of no cement to surface. Cement temp log performed followed by top job. 9/9 ? Notified BLM of upcoming squeeze job. 9/10 ? Perform squeeze job by pumping 96 bbls of cement. Cement to surface observed.

NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 02 2019
RECEIVED

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #484951 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 09/25/2019 (19PP3439SE)

Name (Printed/Typed) MELISSA SZUDERA Title REGULATORY COMPLIANCE REP

Signature (Electronic Submission) Date 09/25/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title **Accepted for Record** Date **SEP 25 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.

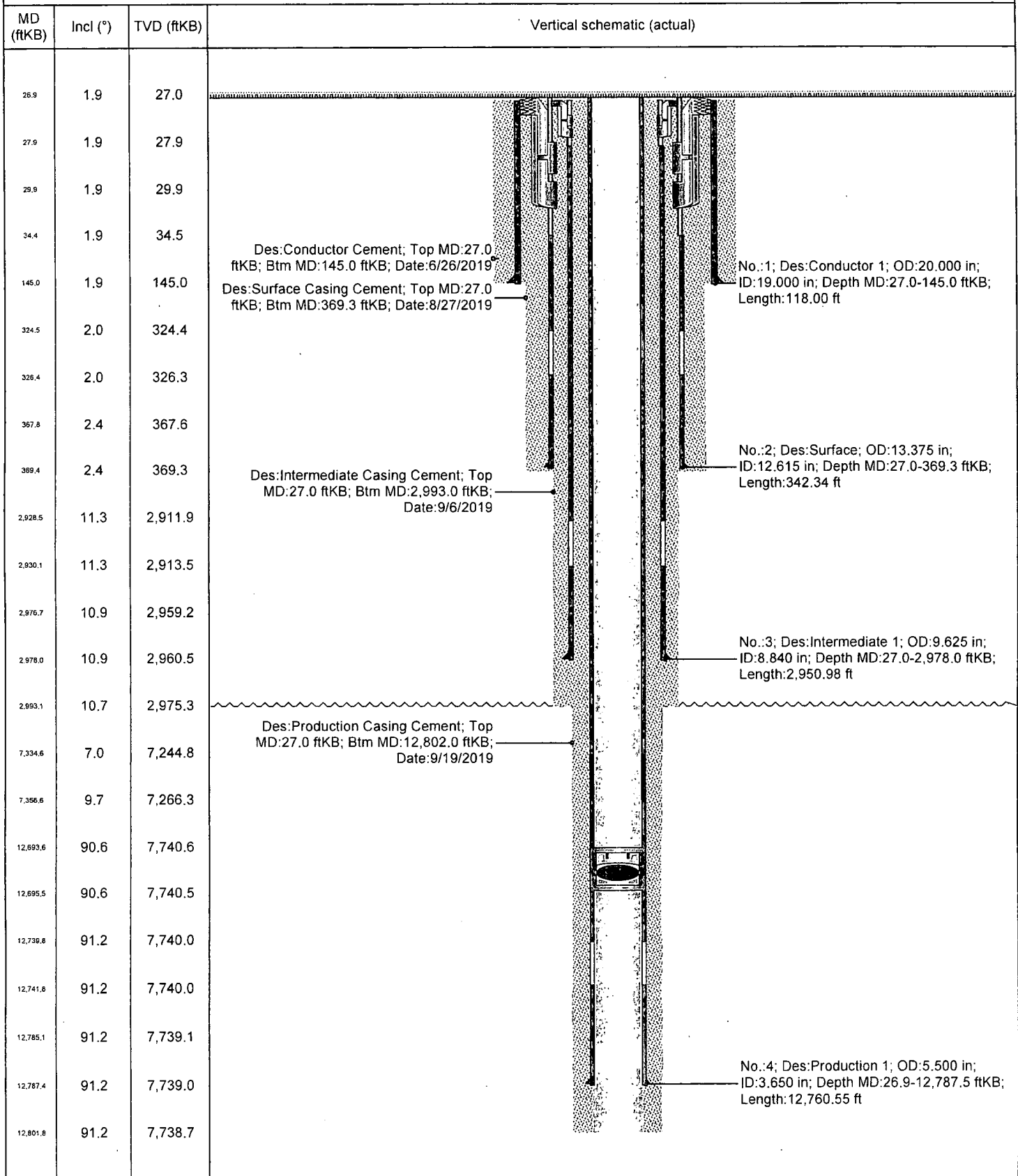
Additional data for EC transaction #484951 that would not fit on the form

32. Additional remarks, continued

Pressure test 9 5/8" csg to 2100 psi for 30 min, 50 psi drop, good test. Drill cement, shoe track, and 10' of new formation to 3003'. 9/11 ? Drill 8" ?? from 3003' to 7202'. Circulate out of hole. Flow check. 9/12 ? TOOH to BHA. Flow check well static. TIH to 7102'. Re-log gamma from 7102 to 7202'. Continue drilling 8" ?? from 7202 to 7305'. Start drilling curve from 7305' to 8203'. 9/13 ? Pump sweep, flow check, and circulate. TOOH to BHA. Pick up lateral assembly, TIH to 8103'. 9/14 ? Re-log gamma from 8103' to 8203'. Drill 8" ?? lateral from 8203' to 12802'. 9/16 ? Sweep and circulate out of hole. Flow check, well static. TOH to BHA. 9/18 ? Notify BLM of upcoming 5.5" csg and cement job. Run 5.5" csg, 288 jts, 17#, BHT to 12788'. 9/19 ? Cement liner by pumping 50 bbls spacer, 1060 sks of lead cement, and 1380 sks of tail cement, with 780 sks cement to surface. Liner pressure test will be done during completions. RDMO 9/19/2019.

State/Province NEW MEXICO	Country UNITED STATES	Field Name FB	Latitude (°) 32.28235670	Longitude (°) -103.99431630	North/South Distance (ft) 270.0	North/South Reference FNL
API/ I/O UWI 3001545892	KB:Ground/Distance (ft) 27.00	KB:Mud/Line/Distance (ft)	Ground Elevation (ft) 3,001.00	Drilling Rig Spud Date 8/26/2019	Well Original Completion Date	Well First Production Date

HORIZONTAL, BLUE STEEL 21 FB FEE 025H, 9/24/2019 10:57:24 AM



BLUE STEEL 21 FB FEE 25H

30-015-45892

SPUD	TD Reached	Rig Release	Total Depth	Ground Elevation
8/26/2019	9/5/2019	9/19/2019	12802 / 7747	3001
Casing detail	Surface	Intermediate	Production	Liner
Date	8/27/2019	9/6/2019	9/18/2019	
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	BHT	
Top	0	0	0	
Depth (MD)	369	2978	12788	
Amount jnts	9	76	288	
Cement detail	Surface	Intermediate	Production	Liner
Date	8/27/2019	9/6/2019	9/19/2019	
Top depth KB	0	0	0	
Bottom depth KB	369	2993	12802	
Lead sks	490	1005	1060	
Yield	1.63	1.91	2.49	
Tail sks		200	1380	
Yield		1.33	1.33	
Spacer	30 bbls	20 bbls	50 bbls	
Class	C	35/65 POZ/C		
Circulate to surface (sks)	0	0	780	
Top meas. method	Calculations	Calculations	Circulate	
TOC	0	0	0	
Pressure testing	Surface	Intermediate	Production	Liner
Date	9/4/2019	9/10/2019		
PSI	1500	2100		
Time (min)	30	30		
Bled off	95	50		
Drop	6%	2%		
Good test	Yes	Yes		