

Well Name: BLUE STEEL 21 WA FED COM	Well Location: T23S / R29E / SEC 28 / NENE / 32.2798727 / -103.9845313	County or Parish/State: EDDY / NM
Well Number: 14H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM086024, NMNM86024	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001545898	Well Status: Approved Application for Permit to Drill	Operator: MARATHON OIL PERMIAN LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 02/01/2021	Time Sundry Submitted: 08:56
Date Operation Actually Began: 11/04/2020	

Actual Procedure: 11/04/2020 Started Frac Prep operations. PBSD at 20297'. 11/16/2020 Start frac stages 1-32 with 2 shots per foot for a total of 1,088 shots, 0.36-in. in size using 23,113,670 lbs of 40/70; 100 Mesh. Stimulated with 1,107 bbls of 15% HCL acid. Total interval from 20,154 to 10,638. 12/18/2020 - Start Flowback first production. Marathon Oil Permian request tubing exception and request for OCD extension of time to file BLM approved Form 3160-4.

SR Attachments

Actual Procedure

Formation_Tops__Blue_Steel_21_WA_Fed_Com_14H_20210201085633.pdf

Well Name: BLUE STEEL 21 WA FED COM	Well Location: T23S / R29E / SEC 28 / NENE / 32.2798727 / -103.9845313	County or Parish/State: EDDY / NM
Well Number: 14H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM086024, NMNM86024	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001545898	Well Status: Approved Application for Permit to Drill	Operator: MARATHON OIL PERMIAN LLC

Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: COVARRUBIAS	Signed on: FEB 01, 2021 08:56 AM
Name: MARATHON OIL PERMIAN LLC	
Title: regulatory Compliance Representative	
Street Address: 5555 SAN FELIPE STREET	
City: HOUSTON	State: TX
Phone: (713) 296-2423	
Email address: NOT ENTERED	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 02/04/2021
Signature: Jonathon Shepard	

Geological Tops (MD)	
BLUE STEEL 21 WA FED COM 14H	
Base Salt	3006
Lamar	3059
Delaware Sands (Bell Canyon)	3088
Cherry Canyon	3920
Brushy Canyon	5118
Bone Spring	6906
Wolfcamp	10235



Wellbore Schematic

Well Name: BLUE STEEL 21 WA FEDERAL COM 014H

State/Province NEW MEXICO	Country UNITED STATES	Field Name MALAGA	Latitude (°) 32.27975050	Longitude (°) -103.98404040	North/South Distance (ft) 1,219.0	North/South Reference FNL
API/ IPO UWI 3001545898	KB-Ground Distance (ft) 27.00	KB-Mud Line Distance (ft)	Ground Elevation (ft) 2,995.00	Drilling Rig Spud Date 2/2/2020	Well Original Completion Date 5/10/2020	Well First Production Date 12/20/2020

HORIZONTAL, BLUE STEEL 21 WA FEDERAL COM 014H, 1/8/2021 1:00:10 PM

MD (ftKB)	Incl (°)	TVD (ftKB)	Vertical schematic (actual)	
28.2	0.1	28.2	Des:Conductor Cement; Top MD:27.0 ftKB; Btm MD:44.0 ftKB; Date:6/25/2019	No.:1; Des:Conductor 1; OD:20.000 in; ID:19.000 in; Depth MD:27.0-44.0 ftKB; Length:17.00 ft
266.4	0.6	266.4		
2,500.7	14.2	2,475.2	Des:Intermediate Casing Cement; Top MD:27.0 ftKB; Btm MD:3,022.1 ftKB; Date:2/4/2020	No.:2; Des:Surface; OD:13.375 in; ID:12.615 in; Depth MD:27.0-309.0 ftKB; Length:282.00 ft
3,020.3	16.2	2,975.8	Des:Intermediate Casing Cement; Top MD:27.0 ftKB; Btm MD:10,420.3 ftKB; Date:2/13/2020	No.:3; Des:Intermediate 1; OD:9.625 in; ID:8.840 in; Depth MD:27.0-3,022.1 ftKB; Length:2,995.06 ft
9,742.5	1.1	9,514.3		
10,418.6	56.5	10,069.7		No.:4; Des:Intermediate 2; OD:7.000 in; ID:6.180 in; Depth MD:27.0-10,420.3 ftKB; Length:10,393.28 ft
10,907.2	78.2	10,241.4		
11,233.9	91.8	10,262.1		
11,804.1	91.6	10,245.9		
12,129.9	89.7	10,240.4		
12,699.1	90.2	10,250.9		
13,024.9	90.3	10,248.7		
13,595.1	89.4	10,248.2		
13,919.9	91.7	10,247.2		
14,490.2	89.8	10,245.6		
14,815.0	90.2	10,242.7	Des:Liner Cement; Top MD:9,696.2 ftKB; Btm MD:20,343.0 ftKB; Date:4/12/2020	
15,384.8	90.0	10,255.6		
15,710.0	90.3	10,253.6		
15,982.0	90.7	10,252.0		
16,307.1	89.5	10,247.0		
16,878.9	89.6	10,255.7		
17,203.1	90.9	10,257.8		
17,772.0	90.5	10,253.1		
18,098.1	90.2	10,251.7		
18,667.0	89.8	10,244.7		
18,993.1	90.2	10,245.9		
19,563.0	89.4	10,246.8		
19,882.9	89.9	10,248.3		
20,154.9	90.1	10,248.9		
20,209.3	90.1	10,248.8		
20,256.6	90.1	10,248.7		
20,340.9	90.1	10,248.6		No.:5; Des:Liner 1; OD:4.500 in; ID:3.920 in; Depth MD:9,696.1-20,343.0 ftKB; Length:10,646.94 ft

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 17103

CONDITIONS OF APPROVAL

Operator: MARATHON OIL PERMIAN LLC Permian Regulatory Team	5555 San Felipe St. Houston, TX77056	OGRID: 372098	Action Number: 17103	Action Type: C-103T
OCD Reviewer ksimmons	Condition None			