

Well Name: BLUE STEEL 21 WXY FED COM	Well Location: T23S / R29E / SEC 28 / NENE / 32.2798721 / -103.9843375	County or Parish/State: EDDY / NM
Well Number: 12H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM086024, NMNM86024	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001545896	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: 08:50
Date Operation Actually Began: 11/04/2020	

Actual Procedure: 11/4/2020 - Started Frac Prep operations. PBDT at 20235'. 11/5/2020 - Pressure test production casing to 9700 psi for 30 minutes, held, good test. 11/25/2020 Start frac stages 1-33 with 2 shots per foot for a total of 1122 shots, 0.36-in. in size using 24,829,200 lbs of 40/70; 100 Mesh. Stimulated with 1,196 bbls of 15% HCL acid. Total interval from 10,308 to 20,165 12/18/2020 - Turned to flowback, first production. Marathon Oil Permian LLC 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_12H_20210201084949.pdf

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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 08:49 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 WXY FED COM 12H	
Salado	
Castile	
Base Salt	2993
Lamar	3046
Delaware Sands (Bell Canyon)	3061
Cherry Canyon	3911
Brushy Canyon	5081
Bone Spring	6875
Wolfcamp	10173



Wellbore Schematic

Well Name: BLUE STEEL 21 WXY FED COM 12H

State/Province NEW MEXICO	Country UNITED STATES	Field Name MALAGA	Latitude (°) 32.27975120	Longitude (°) -103.98394400	North/South Distance (ft) 1,219.0	North/South Reference FNL
API/ IPO UWI 3001545896	KB-Ground Distance (ft) 27.00	KB-Mud Line Distance (ft)	Ground Elevation (ft) 2,998.00	Drilling Rig Spud Date 1/30/2020	Well Original Completion Date 5/8/2020	Well First Production Date 12/20/2020

HORIZONTAL, BLUE STEEL 21 WXY FED COM 12H, 1/8/2021 1:32:23 PM

MD (ftKB)	Incl (°)	TVD (ftKB)	Vertical schematic (actual)
27.6	0.2	27.6	<p>Des:Conductor Cement; Top MD:27.0 ftKB; Btm MD:45.0 ftKB; Date:6/25/2019</p> <p>Des:Surface Casing Cement (Top Job); Top MD:27.0 ftKB; Btm MD:80.0 ftKB; Date:1/3/2020</p> <p>Des:Surface Casing Cement; Top MD:174.0 ftKB; Btm MD:305.0 ftKB; Date:1/2/2020</p> <p>Des:Intermediate Casing Cement; Top MD:27.0 ftKB; Btm MD:3,028.8 ftKB; Date:2/2/2020</p> <p>Des:Production Casing Cement; Top MD:27.0 ftKB; Btm MD:20,259.0 ftKB; Date:3/27/2020</p>
44.9	0.2	44.9	
173.9	0.3	173.9	
266.4	0.5	266.4	
305.1	0.5	305.1	<p>No.:1; Des:Conductor 1; OD:20.000 in; ID:19.000 in; Depth MD:27.0-45.0 ftKB; Length:18.00 ft</p> <p>No.:2; Des:Surface; OD:13.375 in; ID:12.615 in; Depth MD:27.0-305.0 ftKB; Length:278.00 ft</p> <p>No.:3; Des:Intermediate 1; OD:9.625 in; ID:8.840 in; Depth MD:27.0-3,028.8 ftKB; Length:3,001.80 ft</p>
2,986.9	13.8	2,953.3	
3,028.9	13.6	2,994.1	
9,610.2	0.9	9,454.9	
10,308.1	64.3	10,041.4	
10,607.9	92.0	10,084.6	
10,908.1	90.1	10,077.6	
11,208.0	89.1	10,082.9	
11,507.9	89.3	10,090.5	
11,808.1	90.0	10,091.7	
12,121.1	90.7	10,095.5	
12,408.1	90.9	10,093.7	
12,711.9	90.6	10,091.3	
13,007.9	89.9	10,088.7	
13,308.1	90.4	10,087.4	
13,607.9	89.3	10,087.1	
13,912.1	88.8	10,089.8	
14,208.0	89.8	10,094.5	
14,507.9	89.7	10,096.0	
14,808.1	89.2	10,098.3	
15,109.9	89.9	10,099.0	
15,357.6	88.9	10,101.0	
15,408.1	88.7	10,102.1	
15,708.0	89.9	10,103.9	
16,007.9	90.7	10,099.9	
16,308.1	89.5	10,098.4	
16,607.9	91.0	10,096.6	
16,908.1	90.1	10,093.4	
17,209.0	89.6	10,094.5	
17,507.9	89.9	10,095.3	
17,808.1	89.8	10,096.3	
18,107.9	89.7	10,096.7	
18,408.1	89.7	10,096.8	
18,708.0	90.1	10,101.9	
19,007.9	91.9	10,094.3	
19,308.1	90.4	10,092.7	
19,607.9	90.4	10,090.5	
19,908.1	89.8	10,090.0	
20,189.6	90.1	10,088.8	
20,193.2	90.1	10,088.8	
20,235.6	89.8	10,088.8	
20,256.6	89.7	10,088.9	
			No.:4; Des:Production 1; OD:5.500 in; ID:4.780 in; Depth MD:27.0-20,259.0 ftKB; Length:20,232.04 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 17104

CONDITIONS OF APPROVAL

Operator: MARATHON OIL PERMIAN LLC 5555 San Felipe St. Permian Regulatory Team Houston, TX77056		OGRID: 372098	Action Number: 17104	Action Type: C-103T
OCD Reviewer ksimmons		Condition None		