



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print

05/11/2022

Operator Name MARATHON OIL PERMIAN LLC	Well Name BLUE STEEL 21 WXY FED COM	Well Number 18H	US Well Number 3001546209
SHL NENE Sec 28 23S 29E	County EDDY	State NM	Lease Number(s) NMNM119272, NMNM119272
Well Type CONVENTIONAL GAS WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name BLUE STEEL 21 FED COM	Well Pad Number 302-2	ID 10400036145

Section 1 - General

Well Completion Report Id: 33391	Submission Date: N/A until DB	
BLM Office: Carlsbad Field Office	User: ADRIAN COVARRUBIAS	Title: regulatory Compliance
Federal/Indian: FEDERAL	Lease Number: NMNM119272	Lease Acres: 80
Agreement in place?: NO	Federal or Indian Agreement:	
Agreement Number:	Agreement Name:	
Keep this Well Completion Report confidential?:		
APD Operator: MARATHON OIL PERMIAN LLC		

Section 2 - Well

Field/Pool or Exploratory:	Pool Name: Wolfcamp	Field Name: PIERCE CROSSING
Well Type: CONVENTIONAL GAS		
Spud Date: 01-02-2020		
Date Total Measured Depth Reached: 03-12-2020		
Drill & Abandon or Ready To Produce: READY TO		
Well Class: HORIZONTAL		

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
BASE OF SALT	ANHYDRITE, DOLOMITE, SALT		10	3015	3048	OTHER	Brine
LAMAR	SANDSTONE, SHALE		-43	3068	3102	OIL	

Operator Name MARATHON OIL PERMIAN LLC SHL NENE Sec 28 23S 29E	Well Name BLUE STEEL 21 WXY FED COM	Well Number 18H	US Well Number 3001546209
	County EDDY	State NM	Lease Number(s) NMNM119272, NMNM119272
Well Type CONVENTIONAL GAS WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name BLUE STEEL 21 FED COM	Well Pad Number 302-2	ID 10400036145

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
BELL CANYON	SANDSTONE, SHALE		-71	3097	3132	OIL	
CHERRY CANYON	OTHER, SANDSTONE	Carbonates	-904	3929	3988	OIL	
BRUSHY CANYON	OTHER, SANDSTONE	Carbonates	-2104	5127	5215	OIL	
BONE SPRING	OTHER, SANDSTONE	Carbonates	-3728	6753	6882	OIL	
WOLFCAMP	OTHER, SANDSTONE, SHALE	Carbonates	-6948	9973	10259	OIL	

Completion and Completed

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM119272	NMNM119272	NEW		PGW	05-28-2020	12-19-2020	WOLFCA MP	10302	20021	Y	.42	1078	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Totle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
---------------	-----------------	-----------------	-------------------	----------------	--------------------	----------------------	-------------------

Operator Name MARATHON OIL PERMIAN LLC SHL NENE Sec 28 23S 29E	Well Name BLUE STEEL 21 WXY FED COM	Well Number 18H	US Well Number 3001546209
	County EDDY	State NM	Lease Number(s) NMNM119272, NMNM119272
Well Type CONVENTIONAL GAS WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name BLUE STEEL 21 FED COM	Well Pad Number 302-2	ID 10400036145

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Tottle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	356847		Brackish Water - 356,847 bbls Total Proppant - 23,952,720 lbs

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1			FLOWS FROM WELL		SOLD	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1	11/04/2021	24	2133	4353	7921	2040	61/64	0		1401

Operator Name MARATHON OIL PERMIAN LLC SHL NENE Sec 28 23S 29E	Well Name BLUE STEEL 21 WXY FED COM	Well Number 18H	US Well Number 3001546209
	County EDDY	State NM	Lease Number(s) NMNM119272, NMNM119272
Well Type CONVENTIONAL GAS WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name BLUE STEEL 21 FED COM	Well Pad Number 302-2	ID 10400036145

Well Location

Survey Type: RECTANGULAR

Survey Number: 21653

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.2798728	-103.9846281	2998	FEDERAL	NMNM136211				1219	FNL	1057	FEL	23S	29E	28	NENE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.2835162	-103.9823876	-6489	FEDERAL	NMNM119272				104	FSL	363	FEL	23S	29E	21	SESE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.284417	-103.9824546	-6985	FEDERAL	NMNM119272				433	FSL	383	FEL	23S	29E	21	SESE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.3115534	-103.9821899	-7117	FEE	FEE				332	FNL	327	FEL	23S	29E	16	NENE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	EDDY	32.3115534	-103.9821899	-7117	FEE	FEE				332	FNL	327	FEL	23S	29E	16	NENE

Casing, Liner and Tubing

Operator Name MARATHON OIL PERMIAN LLC SHL NENE Sec 28 23S 29E	Well Name BLUE STEEL 21 WXY FED COM	Well Number 18H	US Well Number 3001546209
	County EDDY	State NM	Lease Number(s) NMNM119272, NMNM119272
Well Type CONVENTIONAL GAS WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name BLUE STEEL 21 FED COM	Well Pad Number 302-2	ID 10400036145

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	306	13.375	54.5	J-55		ST&C		
00	INTERMEDIATE	12.25	0	3020	9.625	40	J-55		LT&C		
00	PRODUCTION	8.75	0	20151	5.5	20	P-110		OTHER	VA Roughneck	

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		N/A, tail cement only.	0	0	0	Class C	357	1.32	0	83.9
00	INTERMEDIATE		Class C	795	2.19	0	Class C	195	1.32		355.9
00	PRODUCTION		50/50 Poz	800	4.51	0	50/50 Poz	2160	1.54		1235

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
---------------	------------	-----------------	--------------	---------------------	-----------------	------------------

Operator Name MARATHON OIL PERMIAN LLC SHL NENE Sec 28 23S 29E	Well Name BLUE STEEL 21 WXY FED COM County EDDY	Well Number 18H State NM	US Well Number 3001546209 Lease Number(s) NMNM119272, NMNM119272
Well Type CONVENTIONAL GAS WELL Allottee/Tribe Name	Well Status Drilling Well Well Pad Name BLUE STEEL 21 FED COM	Agreement Name Well Pad Number 302-2	Agreement Number(s) ID 10400036145

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	YES	NO	NO	YES	NO	YES

Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. 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 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 Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: MARATHON OIL PERMIAN LLC**Signed By:** ADRIAN COVARRUBIAS**Title:** regulatory Compliance Representative**Signed on:** 04/05/2022**Street Address:** 990 TOWN & COUNTRY BLVD**City:** HOUSTON**State:** TX**Zip:** 77024**Phone:** (713)296-3368**Email address:** acovarrubias@marathonoil.com**Field****Representative Name:****Street Address:****City:****State:****Zip:****Phone:****Extension:****Email address:****Attachments**

Operator Name MARATHON OIL PERMIAN LLC SHL NENE Sec 28 23S 29E	Well Name BLUE STEEL 21 WXY FED COM	Well Number 18H	US Well Number 3001546209
	County EDDY	State NM	Lease Number(s) NMNM119272, NMNM119272
Well Type CONVENTIONAL GAS WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name BLUE STEEL 21 FED COM	Well Pad Number 302-2	ID 10400036145

Blue_Steel_21_WYX_Fed_Com_18H_MD_Log_20210204122942.pdf

BLUE_STEEL_21_WXY_FED_COM_18H___C_102___Survey_20210204122949.pdf

Reporting___Wellbore_Schematic___BLUE_STEEL_21_WXY_FED_COM_018H___2021_01_08_14.19.14_20
210204123002.pdf

20200512_R3942_012_BLUE_STEEL_21_WXY_FED_COM_18H_REV._1_CERTIFIED_AS_DRILLED_signed
_20210817100206.pdf

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 311313

ACKNOWLEDGMENTS

Operator: MARATHON OIL PERMIAN LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 372098
	Action Number: 311313
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
<input type="checkbox"/>	I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
<input type="checkbox"/>	I hereby certify that no additives containing PFAS chemicals were added to the fluid used in the completion or recompletion of this well.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 311313

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 372098
	Action Number: 311313
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/13/2026