



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

# Well Completion Print Report

08/26/2021

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 111H	<b>US Well Number</b> 3002547341
<b>SHL</b> SWSW Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138893, NMNM138893
<b>Well Type</b> OIL WELL	<b>Well Status</b> Approved Application for Permit to Drill	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> Manhands Fed Com	<b>Well Pad Number</b> W2	<b>ID</b> 10400049936

## Section 1 - General

**Well Completion Report Id:** 76851**Submission Date:** N/A until DB Work**BLM Office:** Carlsbad Field Office**User:** BILL RAMSEY**Title:** Regulatory Analyst**Federal/Indian:** FEDERAL**Lease Number:** NMNM138893**Lease Acres:****Agreement in place?:** NO**Federal or Indian Agreement:****Agreement Number:****Agreement Name:****Keep this Well Completion Report confidential?:** NO**APD Operator:** TAP ROCK OPERATING  
LLC

## Section 2 - Well Information

**Field/Pool or Exploratory:** Field/Pool**Pool Name:** Wolfbone**Field Name:** WC-025 G-09 S243532M;**Well Type:** OIL WELL**Spud Date:** 01-06-2021**Date Total Measured Depth Reached:** 02-09-2021**Drill & Abandon or Ready To Produce:** READY TO PRODUCE**Well Class:** HORIZONTAL

## Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
QUATERNARY	OTHER	None	3279	0	0	NONE	
RUSTLER	ANHYDRITE		2447	832	841	OTHER	Salt

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 111H	<b>US Well Number</b> 3002547341
<b>SHL</b> SWSW Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138893, NMNM138893
<b>Well Type</b> OIL WELL	<b>Well Status</b> Approved Application for Permit to Drill	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> Manhands Fed Com	<b>Well Pad Number</b> W2	<b>ID</b> 10400049936

### Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
SALADO	SALT		-1729	5008	5017	OTHER	Salt
BASE OF SALT	SALT		-1869	5148	5157	OTHER	Salt
LAMAR	LIMESTONE		-2051	5330	5339	NONE	
BELL CANYON	SANDSTONE		-2079	5358	5361	NATURAL GAS, OIL	
CHERRY CANYON	SANDSTONE		-2959	6238	6244	NATURAL GAS, OIL	
BRUSHY CANYON	SANDSTONE		-4476	7755	7763	NATURAL GAS, OIL	
BONE SPRING	LIMESTONE		-5766	9045	9052	NATURAL GAS, OIL	
AVALON SAND	SANDSTONE		-6011	9290	9298	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE		-7005	10284	10394	NATURAL GAS, OIL	

### Completion and Completed Intervals

#### 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	NMNM138893	NMNM138893	NEW		POW	05-15-2021	06-24-2021	BONE SPRING 1ST	10384	18100	Y	.55	481	OPEN

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 111H	<b>US Well Number</b> 3002547341
<b>SHL</b> SWSW Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138893, NMNM138893
<b>Well Type</b> OIL WELL	<b>Well Status</b> Approved Application for Permit to Drill	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> Manhands Fed Com	<b>Well Pad Number</b> W2	<b>ID</b> 10400049936

### Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	432332		37 stage frac with 19,434,195 lbs of 100 mesh sand.

### 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	07/01/2021	24	1021	1737	4158	1701	64/64	0	0	1047

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 111H	<b>US Well Number</b> 3002547341
<b>SHL SWSW Sec 27 24S 35E</b>	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138893, NMNM138893
<b>Well Type</b> OIL WELL	<b>Well Status</b> Approved Application for Permit to Drill	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> Manhands Fed Com	<b>Well Pad Number</b> W2	<b>ID</b> 10400049936

### Well Location

**Survey Type:** RECTANGULAR**Survey Number:** 11401**Datum:** NAD83**Vertical Datum:** NAVD88**Reference Datum:** KB

	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	Aliquo/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1812779	-103.361465	3279	FEDERAL	NMNM138893				13	FSL	760	FWL	24S	35E	27	SWSW
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1814148	-103.3614327	-6453	FEDERAL	NMNM138893				63	FSL	770	FWL	24S	35E	27	SWSW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1809679	-103.3618179	-7012	FEDERAL	NMNM138893				100	FNL	651	FWL	24S	35E	34	NWNW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1776127	-103.3617568	-7152	FEE	FEE				1320	FNL	650	FWL	24S	35E	34	NWSW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1667277	-103.3617692	-7178	FEE	FEE				0	FNL	645	FWL	25S	35E	3	NWNW
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1703552	-103.3617471	-7164	FEDERAL	NMNM138895				1320	FSL	652	FWL	24S	35E	34	SWSW
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1596594	-103.3618368	-7161	FEE	FEE				2572	FSL	642	FWL	25S	35E	3	SWNW
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1594528	-103.3618405	-7160	FEE	FEE				2647	FSL	641	FWL	25S	35E	3	SWNW

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 111H	<b>US Well Number</b> 3002547341
<b>SHL</b> SWSW Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138893, NMNM138893
<b>Well Type</b> OIL WELL	<b>Well Status</b> Approved Application for Permit to Drill	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> Manhands Fed Com	<b>Well Pad Number</b> W2	<b>ID</b> 10400049936

### Casing, Liner and Tubing

#### 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	993	13.375	54.5	J-55		BUTT		
00	INTERMEDIATE	12.25	0	5284	9.625	40	J-55		BUTT		
00	PRODUCTION	8.75	0	18215	5.5	23	T-95		OTHER	Blue	

#### 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 (bbls)
00	SURFACE		Class C	730	1.72	0	Class C	715	1.34	600	394.3
00	INTERMEDIATE		Class C	1161	1.74	0	Class C	448	1.33	4300	465.9
00	PRODUCTION		Class H	882	3.01	0	Class H	1459	1.65	9500	901.6

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 111H	<b>US Well Number</b> 3002547341
<b>SHL</b> SWSW Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138893, NMNM138893
<b>Well Type</b> OIL WELL	<b>Well Status</b> Approved Application for Permit to Drill	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> Manhands Fed Com	<b>Well Pad Number</b> W2	<b>ID</b> 10400049936

### Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00									

### Logs

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

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 111H	<b>US Well Number</b> 3002547341
<b>SHL</b> SWSW Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138893, NMNM138893
<b>Well Type</b> OIL WELL	<b>Well Status</b> Approved Application for Permit to Drill	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> Manhands Fed Com	<b>Well Pad Number</b> W2	<b>ID</b> 10400049936

### Operator Certification

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:** TAP ROCK OPERATING LLC

**Signed By:** BILL RAMSEY

**Title:** Regulatory Analyst

**Signed on:** 07/07/2021

**Street Address:** 523 PARK POINT DRIVE SUITE 200

**City:** GOLDEN

**State:** CO

**Zip:** 80401

**Phone:** (720)360-4028

**Email address:** BRAMSEY@TAPRK.COM

### Field Representative

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Extension:**

**Email address:**

### Attachments

MULVA\_FED\_COM\_111H\_5INCH\_CURVE\_AND\_LATERAL\_FINAL\_20210616090241.pdf

Mulva\_Fed\_Com\_111H\_C\_102\_As\_Drilled\_20210419\_20210616090313.pdf

Mulva\_Fed\_Com\_111H\_Surveys\_\_\_Final\_20210616090415.pdf

**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**

ACKNOWLEDGMENTS  
  
Action 45326

ACKNOWLEDGMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 45326
	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.



**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 45326

## CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 45326
	Action Type: [C-105] Well (Re)Completion (C-105)

## CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	9/20/2021