



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

# Well Completion Print Report

02/23/2022

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 114H	<b>US Well Number</b> 3002547742
<b>SHL SESE</b> Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138890, NMNM138890
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Drilling Well	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> MULVA	<b>Well Pad Number</b> E2E2	<b>ID</b> 10400055174

## Section 1 - General

<b>Well Completion Report Id:</b> 76878	<b>Submission Date:</b> N/A until DB Work	
<b>BLM Office:</b> Carlsbad Field Office	<b>User:</b> BILL RAMSEY	<b>Title:</b> Regulatory Analyst
<b>Federal/Indian:</b> FEDERAL	<b>Lease Number:</b> NMNM138890	<b>Lease Acres:</b> 1200
<b>Agreement in place?:</b> NO	<b>Federal or Indian Agreement:</b>	
<b>Agreement Number:</b>	<b>Agreement Name:</b>	
<b>Keep this Well Completion Report confidential?:</b> NO		
<b>APD Operator:</b> TAP ROCK OPERATING LLC		

## Section 2 - Well Information

<b>Field/Pool or Exploratory:</b> Field/Pool	<b>Pool Name:</b> Wolfbone	<b>Field Name:</b> WC-025 G-09 S243532M
<b>Well Type:</b> CONVENTIONAL GAS WELL		
<b>Spud Date:</b> 10-14-2020		
<b>Date Total Measured Depth Reached:</b> 12-24-2020		
<b>Drill &amp; Abandon or Ready To Produce:</b> READY TO PRODUCE		
<b>Well Class:</b> HORIZONTAL		

## Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
QUATERNARY	OTHER	None	3277	0	0	NONE	
RUSTLER	ANHYDRITE		2731	546	549	OTHER	Salt

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 114H	<b>US Well Number</b> 3002547742
<b>SHL SESE</b> Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138890, NMNM138890
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Drilling Well	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> MULVA	<b>Well Pad Number</b> E2E2	<b>ID</b> 10400055174

### Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
TOP SALT	SALT		2137	1140	1143	OTHER	Salt
BASE OF SALT	SALT		-1574	4851	4858	OTHER	Salt
LAMAR	LIMESTONE		-1856	5133	5140	NONE	
BELL CANYON	SANDSTONE		-1888	5165	5172	NATURAL GAS, OIL	
CHERRY CANYON	SANDSTONE		-2850	6127	6134	NATURAL GAS, OIL	
BRUSHY CANYON	SANDSTONE		-4386	7663	7671	NATURAL GAS, OIL	
BONE SPRING LIME	LIMESTONE		-5641	8918	8926	NATURAL GAS, OIL	
AVALON SAND	SANDSTONE		-5893	9170	9178	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE		-6945	10222	10310	NATURAL GAS, OIL	
BONE SPRING 2ND	SANDSTONE		-7544	10821	10909	NATURAL GAS, OIL	
BONE SPRING 3RD	SANDSTONE		-8619	11896	11984	NATURAL GAS, OIL	
WOLFCAMP	SANDSTONE		-9087	12364	12452	NATURAL GAS, OIL	

### Completion and Completed Intervals

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 114H	<b>US Well Number</b> 3002547742
<b>SHL SESE</b> Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138890, NMNM138890
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Drilling Well	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> MULVA	<b>Well Pad Number</b> E2E2	<b>ID</b> 10400055174

### 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	NMNM138890	NMNM138890	NEW		PGW	05-21-2021	05-31-2021	BONE SPRING 1ST	10336	18054	Y	.55	481	OPEN

### 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	409024		37 stage frac with 19,515,658lbs 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		FLARED	

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 114H	<b>US Well Number</b> 3002547742
<b>SHL SESE</b> Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138890, NMNM138890
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Drilling Well	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> MULVA	<b>Well Pad Number</b> E2E2	<b>ID</b> 10400055174

### 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	06/04/2021	24	610	1037	4917	1700	40/64	0	0	1569

### Well Location

Survey Type: RECTANGULAR

Survey Number: 11401

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: KB

Aliquot/Lot/Tract	Section	Range	Township	EW-Indicator	EW-Foot	NS-Indicator	NS-Foot	Plug Type	Plug MD (ft)	Plug TVD (ft)	Lease Number	Lease Type	Elevation (MSL)	Longitude	Latitude	County	Meridian	State
SESE	27	35E	24S	FEL	661	FSL	210				NMNM138890	FEDERAL	3277	-103.3489765	32.1818156	LEA	NEW MEXICO PRINCIPAL	SHL
NENE	34	35E	24S	FEL	611	FNL	50				NMNM138890	FEDERAL	-6405	-103.3488149	32.1811037	LEA	NEW MEXICO PRINCIPAL	KOP Well bore 00
NENE	34	35E	24S	FEL	555	FNL	100				NMNM138890	FEDERAL	-6928	-103.3486322	32.1809633	LEA	NEW MEXICO PRINCIPAL	PPP Well bore 00
SESE	34	35E	24S	FEL	660	FSL	1320				FEE	FEE	-6941	-103.3490601	32.1703527	LEA	NEW MEXICO PRINCIPAL	PPP Well bore 00
SENW	3	35E	25S	FEL	655	FNL	1320				NMNM143140	FEDERAL	-6917	-103.349018	32.1630044	LEA	NEW MEXICO PRINCIPAL	PPP Well bore 00

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 114H	<b>US Well Number</b> 3002547742
<b>SHL SESE</b> Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138890, NMNM138890
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Drilling Well	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> MULVA	<b>Well Pad Number</b> E2E2	<b>ID</b> 10400055174

	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
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.156414	-103.3489736	-6893	FEDERAL	NMNM143140				2577	FNL	658	FEL	25S	35E	3	SENE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1594503	-103.348963	-6887	FEDERAL	NMNM143140				2647	FNL	655	FEL	25S	35E	3	SENE

### 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	1043	13.375	54.5	J-55		BUTT		
00	INTERMEDIATE	12.25	0	5307	9.625	40	J-55		BUTT		
00	PRODUCTION	8.75	0	18171	5.5	23	T-95		OTHER	W625	

<b>Operator Name</b> TAP ROCK OPERATING LLC	<b>Well Name</b> MULVA FED COM	<b>Well Number</b> 114H	<b>US Well Number</b> 3002547742
<b>SHL SESE</b> Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138890, NMNM138890
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Drilling Well	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> MULVA	<b>Well Pad Number</b> E2E2	<b>ID</b> 10400055174

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	460	1.72	0	Class C	445	1.34	533	247.1
00	INTERMEDIATE		Class C	1158	1.74	0	Class C	444	1.33	3800	464
00	PRODUCTION		Class C	849	3.01	0	Class C	1517	1.64	9200	898.2

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> 114H	<b>US Well Number</b> 3002547742
<b>SHL SESE</b> Sec 27 24S 35E	<b>County</b> LEA	<b>State</b> NM	<b>Lease Number(s)</b> NMNM138890, NMNM138890
<b>Well Type</b> CONVENTIONAL GAS WELL	<b>Well Status</b> Drilling Well	<b>Agreement Name</b>	<b>Agreement Number(s)</b>
<b>Allottee/Tribe Name</b>	<b>Well Pad Name</b> MULVA	<b>Well Pad Number</b> E2E2	<b>ID</b> 10400055174

### 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:** 06/16/2021

**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\_114H\_5INCH\_CURVE\_AND\_LATERAL\_20210616110808.pdf

Mulva\_Fed\_Com\_114H\_C\_102\_As\_Drilled\_20210310\_20210616110831.pdf

Mulva\_Fed\_Com\_114H\_Surveys\_20210616110935.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 83623

**ACKNOWLEDGMENTS**

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 83623
	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.



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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/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 83623

CONDITIONS

Operator:  TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID:  372043
	Action Number:  83623
	Action Type:  [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	11/14/2024