



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> 113H	<b>US Well Number</b> 3002547741
<b>SHL NWNE Sec 34 24S 35E</b>	<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> MAN HANDS	<b>Well Pad Number</b> W2E2	<b>ID</b> 10400055093

## Section 1 - General

<b>Well Completion Report Id:</b> 76873	<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> Middle Bone Spring	<b>Field Name:</b> WC-025 G-07 S243517D
<b>Well Type:</b> CONVENTIONAL GAS WELL		
<b>Spud Date:</b> 12-05-2020		
<b>Date Total Measured Depth Reached:</b> 02-01-2021		
<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	3276	0	0	NONE	
RUSTLER	ANHYDRITE		2508	768	768	OTHER	Salt

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### Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
BASE OF SALT	SALT		-1464	4740	4743	OTHER	Salt
TOP SALT	SALT		-1808	5084	5084	OTHER	Salt
LAMAR	LIMESTONE		-1990	5266	5266	NONE	
BELL CANYON	SANDSTONE		-2009	5285	5297	NATURAL GAS, OIL	
CHERRY CANYON	SANDSTONE		-2889	6165	6180	NATURAL GAS, OIL	
BRUSHY CANYON	SANDSTONE		-4406	7682	7699	NATURAL GAS, OIL	
BONE SPRING LIME	LIMESTONE		-5657	8933	8950	NATURAL GAS, OIL	
AVALON SAND	SANDSTONE		-5853	9129	9146	NATURAL GAS, OIL	
BONE SPRING 1ST	SANDSTONE		-6880	10156	10237	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	NMNM138890	NMNM138890	NEW		PGW	05-14-2021	06-26-2021	BONE SPRING 1ST	10216	17796	Y	.55	962	OPEN

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### 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	408383		37 stage frac with 19,130,320 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	07/02/2021	24	1059	1922	3140	1814	64/64	0	0	875

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### 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	32.1802893	-103.3532532	3276	FEDERAL	NMNM138890				346	FNL	1984	FEL	24S	35E	34	NWNE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1811107	-103.3529623	-6441	FEDERAL	NMNM138890				46	FNL	1894	FEL	24S	35E	34	NWNE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1809648	-103.3526635	-6585	FEDERAL	NMNM138890				346	FNL	1984	FEL	24S	35E	34	NWNE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1776099	-103.3532348	-7048	FEE	FEE				1320	FSL	1980	FEL	24S	35E	34	SWSE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1630093	-103.3532321		FEDERAL	NMNM143140				1320	FNL	1990	FEL	25S	35E	3	SWNE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1596476	-103.3533004	-7026	FEDERAL	NMNM143140				2576	FNL	1997	FEL	25S	35E	3	SWNE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.1594608	-103.3533097	-7016	FEDERAL	NMNM143140				2644	FNL	2000	FEL	25S	35E	3	SWNE

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### 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	1019	13.375	54.5	J-55		BUTT		
00	INTERMEDIATE	12.25	0	5293	9.625	40	J-55		BUTT		
00	PRODUCTION	8.75	0	17912	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	555	1.72	0	Class C	600	1.34	100	313.2
00	INTERMEDIATE		Class C	1160	1.74	0	Class C	434	1.33	4200	462.3
00	PRODUCTION		Class C	539	2.99	0	Class C	1449	1.62	4305	705.1

#### 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
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### Tubing

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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

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### 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\_113H\_5INCH\_CURVE\_AND\_LATERAL\_20210616094200.pdf

Mulva\_Fed\_Com\_113H\_C\_102\_As\_Drilled\_20210323\_20210616094214.pdf

Mulva\_Fed\_Com\_113H\_Surveys\_20210616094240.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 57346

ACKNOWLEDGMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 57346
	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 57346

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 57346
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	10/21/2021