

**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 Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-101  
Revised July 18, 2013

☐ AMENDED REPORT

Re-complete of  
New Pool

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address		<sup>2</sup> OGRID Number
Tap Rock Operating 523 Park Point Drive, Suite 200 Golden, CO 80401		372043
<sup>3</sup> API Number		30-025-34165
<sup>4</sup> Property Code	<sup>5</sup> Property Name	<sup>6</sup> Well No.
330259	Enron 9 State	#1

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
O	9	24 S	33 E		660	South	1980	East	LEA

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

**9. Pool Information**

TRIPLE X;BONE SPRING, WEST	Pool Name	Pool Code
		96674

**Additional Well Information**

<sup>11</sup> Work Type	<sup>12</sup> Well Type	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type	<sup>15</sup> Ground Level Elevation
A	O		S	3612
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth	<sup>18</sup> Formation	<sup>19</sup> Contractor	<sup>20</sup> Spud Date
No	13891	Wolfcamp		10/28/1997
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☐ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**


Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5"	13.375"	68 lbs	761'	540 sks	0
Int 1	12.25"	9.625"	47 lbs	5212'	2750 sks	0
Int 2	8.5"	7"	29 lbs	12580'	1150 sks	0

**Casing/Cement Program: Additional Comments**

Prod	6.125"	4.5"	15.1 lbs	13891'	220 sks	0
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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: 		<b>OIL CONSERVATION DIVISION</b>	
Printed name: Bill Ramsey		Approved By:	
Title: Regulatory Analyst		Title:	
E-mail Address: bramsey@taprk.com		Approved Date: 03/08/2021	Expiration Date: 03/08/2023
Date: 3/5/2021	Phone: 720-238-2787	Conditions of Approval Attached	

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-34165	<sup>2</sup> Pool Code 96674	<sup>3</sup> Pool Name <b>TRIPLE X;BONE SPRING, WEST</b>
<sup>4</sup> Property Code <b>330259</b>	<sup>5</sup> Property Name <b>ENRON 9 STATE</b>	
<sup>7</sup> OGRID No. 372043	<sup>8</sup> Operator Name Tap Rock Operating, LLC	<sup>6</sup> Well Number 1
		<sup>9</sup> Elevation 3612


<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	9	24 S	33 E		660	South	1980	East	LEA

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<sup>16</sup>				SEC 9	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  2/25/2021 Signature Date Bill Ramsey Printed Name bramsey@taprk.com E-mail Address
					<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor:
					Certificate Number

660'

1980'



**Job:** Recomplete 3BSC Interval

**Well:** Enron 9 State Com #1

**Est. Start Date:** 3/4/21

**Formation:** Wolfcamp B/C

**Engineer:** Alex Batista (281) 253-3999

**2<sup>nd</sup> Call:**

**Consultant:** John Istre (337) 258-2996

**Supervisor:** Gary Johnson (361) 230-3021

**OBJECTIVE:**

Tap Rock Operating would like to add the Third Bone Spring pool to the Enron 9 State Com 1 and re-complete at a depth of approximately 11,700 ft MD. The perforated interval is estimated to be 20 feet long and will only be completed in the Third Bone Spring Pool.

<b>Enron 9 State Com #1</b>			
AFE#		350-10139-001	
API#		30-025-34165	
RKB		26.0	
<b>4.5" 15.10# P-110 Casing</b>			
ID (in)	3.826		
Drift (in)	3.701		
Bottom	13,891	Top	12,219
85% Burst (psi)			
85% Collapse (psi)			
Capacity (bbls/ft)	0.0142		
Volume to FC (bbls)			
<b>7.0" 29# S-95, N-80 &amp; P-110 Casing</b>			
ID (in)	6.184	Depth	12,580
Drift (in)	6.059		
85% Burst (psi)			
85% Collapse (psi)			
Capacity (bbls/ft)	0.0371		
<b>9 5/8" 47# N-80 2<sup>nd</sup> Intermediate Casing</b>			
85% Burst (psi)			
85% Collapse (psi)			
Setting Depth (ft)	5,213		
<b>Perforating Guns</b>			
Old top perf	13,234	New top perf	11,700
SPF	6	Charge Type	
Phasing	60	EHD / Penetration	
<b>Directions</b>			
FROM INT. OF NM-128 W & DELAWARE BASIN RD. GO W. ON NM-128 +/- 3.3 MILES THEN TURN RIGHT (NORTH) ON BRINSTOOL RD. AFTER +/- 1.1 MILES TURN LEFT (WEST) ON LEASE ROAD. TURN RIGHT INTO LOCATION.			

### Change Well Head

1. Upon AOL, check pressure on all wellhead valves
2. Record SICP
3. Existing Well Head
  - 2" Cameron 5K Production Tree
4. Bullhead with approximately 500 bbls of fresh water or 10# brine
  - Mix with combination of scale/corrosion inhibitor/biocide/clay stabilizer
5. Confirm that well is dead for at least 30 minutes
  - If unable to kill well easily, set plug in tubing hanger as alternative option
6. Swap production tree with 7 1/16" frac valve for upcoming operations

### Set Plug and Run Ultra Sonic Imager

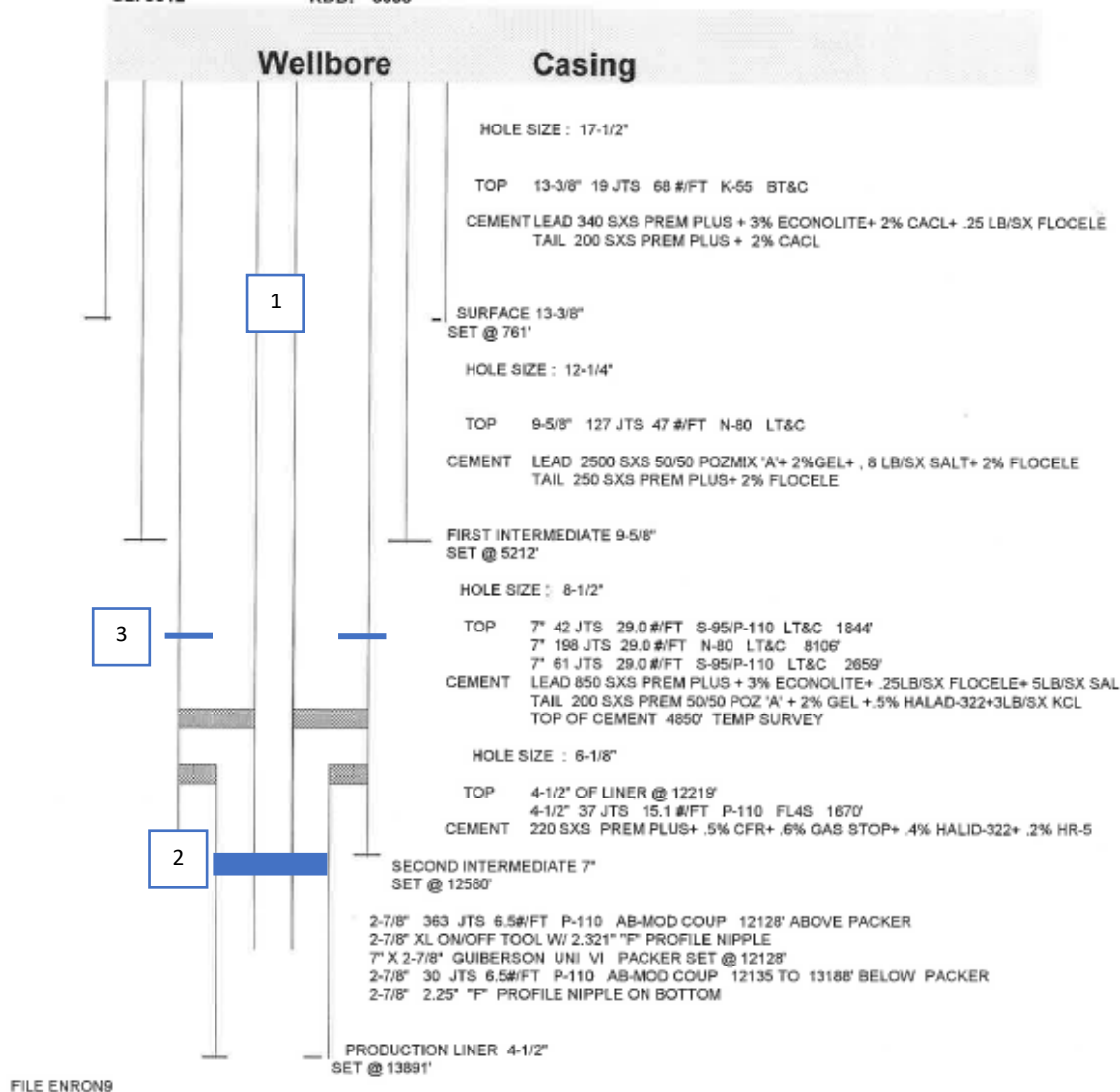
7. Notify NMOC Hobbs office 24 hours before running a full MIT test
  - Kerry Fortner (Compliance Officer)- 575-263-6633
  - Gary Robinson (Compliance Officer)- 575-263-4507
  - Eugene Bolton (Compliance Officer)- 575-840-5961
8. Run 6" GR/JB for the 7" casing to roughly 12,219' and tag crossover
  - Record depth of GR/JB run in Wellview
9. Run 3.5" GR/JB for the 4.5" liner (double check GR size) to roughly 13,200'
  - Record depth of GR/JB run in Wellview
10. Make Note of Fluid Level
  - Record fluid level in Wellview
11. Set bridge plug in 4.5" liner at 13,134'
  - If run into issues, evaluate setting in 7" casing instead
12. Pump more water in well to make sure hole is filled to surface (if needed)
13. Run ultrasonic imager tool for testing wellbore integrity to roughly 13,000' or just above the bridge plug, based on SLB recommended procedure
  - Tool should be able to log 4.5" and 7" section with same run
  - Hole should be filled with brine or freshwater
14. Shut in 7 1/16" frac valve
15. Run a full mechanical integrity test (MIT)
  - Must chart the test to keep for records
16. Wait on results of wellbore integrity
  - Estimated 24 hours to validate results
17. Proceed with next steps if casing determined to be in good condition
  - Evaluate alternative options depending on results

WELL NAME: ENRON "9" STATE COM #1  
 FIELD: JOHNSON RANCH  
 COUNTY: LEA  
 STATE: NEW MEXICO

## WELLBORE SCHEMATIC

GL: 3612'

KDB: 3638'



### Steps:

1. Make sure tubing is removed
2. Set CIBP at 12,600' to isolate original perfs
3. Perf new interval at 11,700'
  - a. Holes- 6 SPF
  - b. EHD average- 0.37" or 0.41"

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Submit Original  
to Appropriate  
District Office

## GAS CAPTURE PLAN

Date: 2/25/2021

☒ Original Operator & OGRID No.: Tap Rock Operating, OGRID- 372043\_\_\_\_\_

☐ Amended - Reason for Amendment: \_\_\_\_\_

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

*Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).*

### Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Enron 9 State Com #1	30-025-34165	24S 33E Sec 9 Lot O	660' from S line 1980' from E line	150	Vented	

### Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to DCP Midstream and will be connected to DCP Midstream low/high pressure gathering system located in Lea County, New Mexico. It will require 1000' of pipeline to connect the facility to low/high pressure gathering system. Tap Rock Operating provides (periodically) to DCP Midstream a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Tap Rock Operating and DCP Midstream have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at DCP Midstream Processing Plant located in Sec.\_\_\_\_, Twn. 33E\_\_\_\_, Rng. 24S\_\_\_\_, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

### Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on DCP Midstream system at that time. Based on current information, it is Tap Rock Operating's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

### Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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CONDITIONS

Action 19995

**CONDITIONS OF APPROVAL**

Operator:	OGRID:	Action Number:	Action Type:
TAP ROCK OPERATING, LLC Suite 200 Golden, CO80401	372043	19995	APD

OCD Reviewer	Condition
pkautz	1) Must add second plug, Top of second plug must be 100 to 200 below Bone Spring perf.
pkautz	2) Prior to abandoning the Bone Spring perfs must properly plugback the Morrow zone.
pkautz	TRIPLE X;BONE SPRING, WEST is a 40 acre pool. Dedicated acreage changed from 320 to 40 acres.