

Submit Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-33238
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name JACKSON UNIT
8. Well Number 003
9. OGRID Number 372043
10. Pool name or Wildcat [79335] JOHNOSN RANCH; WOLFCAMP (GAS)
4. Well Location Unit Letter <u>N</u> : <u>660</u> feet from the <u>SOUTH</u> line and <u>1980</u> feet from the <u>WEST</u> line Section <u>15</u> Township <u>24S</u> Range <u>33E</u> NMPM County <u>LEA</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3614 GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.


Tap Rock requests to PA the referenced well due to uneconomic conditions. See attached PA procedure and WBDs.

See attached conditions of approval

4" Diameter 4' tall above ground marker

NOTE CHANGES TO PROCEDURE

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Regulatory Analyst DATE 8/25/2022

Type or print name Jeff Trlica E-mail address: jtrlica@taprk.com PHONE: 720-772-5910

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 9/14/22
Conditions of Approval:

Jackson Unit #3

API 30-025-33238

Lea County, NM

Plug and Abandonment Wolfcamp Perfs**Aug 20, 2022****Basic Wellbore Construction Data:**

Casing Data			
Size O.D.	Weight	Depth	TOC
13-3/8"	48 ppf	748'	Surface
9-5/8"	40 ppf	5,200'	Surface
7"	29 ppf	12,618'	3,500'
Tubing Data			
2-7/8"	6.5 ppf	13,430'	
Open Perforations			
13,309'- 13373'	13,466' - 13,758'		

Objective: Plug and abandonment of wellbore and reclamation of surface location**Safety:**

Comply with all NMOCD, BLM, and Operator safety regulations.

All Personnel MUST wear hard hats, steel toed boots, and safety glasses.

No smoking inside rig anchors.

Hold a job safety meeting each morning, and as needed before specific job tasks.

General Considerations and Requirements:

- The procedure will be revised based on approved NMOCD, BLM, and Operator safety regulations.
- All cement volumes use 100% excess outside pipe and 50' excess inside.
- The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.
- All cement will be class G, mixed at 15.8 ppg with a 1.15 ft³/sacks yield.

Downhole Work Procedure:

1. This project will use a steel tank to handle waste fluids circulated from the well and cement wash up.
2. Test anchors. If test fails, discuss with company man and plan for rig base beam before proceeding.
3. MIRU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing, and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
4. Verify packer at 13,430' is released. If not, proceed as follow;
 - Release packer at 13,430'. If packer will not release, shoot off tubing above packer. TOO H and LD cut tubing. If packer still in hole, TIH and wash over packer. Retrieve packer and LDT.
 - Once all tubing and packer retrieved from hole, move to next step
5. Proceed with plugging operations.
6. MIRU cement service company.
7. Document number of cement sacks used in this process.

13,200 100' above top perf

Plug #1. RIH w/BP setting at ~12,500'. ~~XXXXX~~ Mix and pump 100 sacks of Class G cement on top spotting a balanced plug inside casing to isolate the interval. PUH. WOC. Tag and record final top depth of cement. Spot 50 sx 12,000 WOC & Tag

Plug #2. PUH and set BP at ~10,000'. Mix and pump 50 sacks of Class G cement on top spotting a balanced plug inside casing to isolate the interval. PUH. WOC. Tag and record final top depth of cement. Spot 50 sx 7490 WOC & Tag
5250 50' below CSG shoe WOC & Tag

Plug #3. PTOOH and MIRU wireline, perforate 7" casing ~5,000'. ~~XXXXX~~ RD wireline and TIH with tbg and set cement plug at ~4,950', follow by pumping minimum 50 sacks of cement thru perfs squeezing casing and annulus. PUH. WOC. Tag and record final top of cement.

Plug #4. PUH and set BP at ~2,000'. Mix and pump 30 sacks of Class G cement on top spotting a balanced plug inside casing to isolate the interval. PUH. WOC. Tag and record final top depth of cement. Spot 50 sx 1267 Salt sec P&S 50 Sx 800' Csg shoe

WOC
& Tag

Plug #5. PTOOH and MIRU wireline, perforate 7" casing ~200'. RD wireline and TIH with tbg and set cement plug at ~250', follow by pumping cement thru perfs squeezing casing and circulating to surface. PUH. WOC. RDMOWOR

8. Cut off wellhead, verify cement in annulus/surface, if not fully cemented from squeeze job, add cement until to surface. Take pictures to document.
9. **Marker options:** For **below** marker, the top of the casing must be fitted with a screw cap or steel plate welded in place with a weep hole. For **above** ground markers, the top of casing must be fitted with a screw cap or steel plate welded with a weep hole and a permanent monument shall be pipe not less than 4" in diameter and 10' in length, of

which 4' shall be above ground level and the remainder embedded in cement/welded to surface casing.

10. Either option must have marker that shall inscribed with well's legal locations, well name, number and API number.

11. Take pictures to document.

12. RD aux. equipment, clean loc.

13. Cut off anchors. Restore pad location per NMOCD stipulations.

**CONDITIONS OF APPROVAL
FOR PLUGGING AND ABANDONMENT
OCD - Southern District**

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office I (Hobbs) at (575)-263-6633 at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

Company representative will be on location during plugging procedures.

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal - commercial or private- shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.
16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).

19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
- A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - I) Glorieta
 - J) Yates.
 - K) Potash---(In the R-111-P Area (Potash Mine Area),
A solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing.

DRY HOLE MARKER REQUIREMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name
2. Lease and Well Number
3. API Number
4. Unit letter
5. Quarter Section (feet from the North, South, East or West)
6. Section, Township and Range
7. Plugging Date
8. County

SPECIAL CASES -----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

Jackson Unit #3

API 30-025-33238

Lea County, NM

Plug and Abandonment Wolfcamp Perfs

Aug 20, 2022

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6. MIRU cement service company.
7. Document number of cement sacks used in this process.

Plug #1. RIH w/BP setting at ~12,500'. Mix and pump 100 sacks of Class G cement on top spotting a balanced plug inside casing to isolate the interval. PUH. WOC. Tag and record final top depth of cement.

Plug #2. PUH and set BP at ~10,000'. Mix and pump 50 sacks of Class G cement on top spotting a balanced plug inside casing to isolate the interval. PUH. WOC. Tag and record final top depth of cement.

Plug #3. PTOOH and MIRU wireline, perforate 7" casing ~5,000'. RD wireline and TIH with tbg and set cement plug at ~4,950', follow by pumping minimum 50 sacks of cement thru perfs squeezing casing and annulus. PUH. WOC. Tag and record final top of cement.

Plug #4. PUH and set BP at ~2,000'. Mix and pump 30 sacks of Class G cement on top spotting a balanced plug inside casing to isolate the interval. PUH. WOC. Tag and record final top depth of cement.

Plug #5. PTOOH and MIRU wireline, perforate 7" casing ~200'. RD wireline and TIH with tbg and set cement plug at ~250', follow by pumping cement thru perfs squeezing casing and circulating to surface. PUH. WOC. RDMOWOR

8. Cut off wellhead, verify cement in annulus/surface, if not fully cemented from squeeze job, add cement until to surface. Take pictures to document.
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11. Take pictures to document.

12. RD aux. equipment, clean loc.

13. Cut off anchors. Restore pad location per NMOCD stipulations.

Tap Rock Production**Current Configuration**

Wellbore Sketch by: Rakesh Patel 8/20/2021

Jackson Unit #3

N15 T24S R33E

Lea County, NM

API 30-025-33238

Lat. 32.2121964, Long. -103.5623169

Spud Date: Feb 09, 1996

Surf. csg 13.375" 72. lb/ft J-55 set @ 792' to Surf
Cmt'd w/1150 sx with Class C. TOC @ Surface
17.5" Hole size

GR: 3619'

Int. 9.625" 47#/ft set @ 5,200'
Cmt'd w/2,000 sx with Class C. TOC @ surf
12.25" Hole size

Prod. 7" 29#/ft P-110 set @ 12,618'
Cmt'd w/1,060 sx with Class. TOC @ 5,225'
8.625" Hole size

TBG 2-7/8" 6.5#/ft N-80

Prod. Liner 4.5" 15.1 lbs/ft set at 13,920'

Packer type and set ~13,430'

Perfs: 13,466' - 13,758' Wolfcamp

2.31" Blanking plug @13,428'
Perfs: 13,309' - 13,373'

PBTD 13,428'

Not to Scale

Tap Rock Production

Proposed Configuration

Jackson Unit #3

N15 T24S R33E

Lat. 32.2121964, Long. -103.5623169

Lea County, NM

Spud Date: Feb 09, 1996

API 30-025-33238

Surf. csg 13.375" 72. lb/ft J-55 set @ 792' to Surf
Cmt'd w/1150 sx with Class C. TOC @ Surface
17.5" Hole size

GR: 3619'

Perf and squeez @ 200' and circulate cmt to surf

Int. 9.625" 47#/ft set @ 5,200'
Cmt'd w/2,000 sx with Class C. TOC @ surf
12.25" Hole size

BP set @ 2,000' w/+30' cmt

Prod. 7" 29#/ft P-110 set @ 12,618'
Cmt'd w/1,060 sx with Class. TOC @ 5,225'
8.625" Hole size

Perf and squeez @ 5,000' and add +50' cmt on top

BP set @ 10,000' w/+50' cmt

Prod Liner 4.5" 15.1 lbs/ft set at 13,920'

BP set @ 12,500' w/+100' cmt

Perfs: 13,309' - 13,373'

2.31" Blanking plug @13,428'

PBTD 13,428'

Not to Scale

Wellbore Sketch by: Rakesh Patel 8/20/2021

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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

COMMENTS

Action 138246

COMMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 138246
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	9/15/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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Phone:(505) 476-3470 Fax:(505) 476-3462

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CONDITIONS

Action 138246

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Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 138246
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached COA Note changes to procedure	9/14/2022