

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. 30-025-26707
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 Quail Queen Unit
8. Well Number 11
9. OGRID Number 4323
10. Pool name or Wildcat Quail Queen
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3969'

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other Injector

2. Name of Operator  
Chevron U.S.A. Inc.

3. Address of Operator  
6301 Deauville Blvd Midland, Texas 79706

4. Well Location  
 Unit Letter A : 990 feet from the North line and 990 feet from the East line  
 Section 11 Township 19-S Range 34-E NMPM County Lea

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> <b>PLUG AND ABANDON</b> <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	
CLOSED-LOOP SYSTEM <input type="checkbox"/>	
OTHER: <input type="checkbox"/>	OTHER: <input type="checkbox"/>

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.

Move in, RU rig.

Establish Mech. barrier at +/- 4,956' packer depth (CITP or CIBP), pull production tubing from well.  
 RDMO rig.

MIRU Coiled tubing unit, RIH and tag mech. barrier

Spot 28 sx Class C f/ 4956' - 4556' **Isolate 7 rivers Spot 25 sx Class C 4040**

Spot 25 sx Class C f/ 3582' - 3222'

Perf & Squeeze 149 sx Class C f/ 1974' - 1358'

Perf & Squeeze 98 sx Class C f/ 400' - 0'

Confirm cement returns to surface, RDMO.

**Note changes to procedure**

**LPC Area Below ground marker send pics before backfilling hole**

Spud Date:

4/20/1980

Rig Release Date:

**SEE ATTACHED CONDITIONS  
OF APPROVAL**

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

SIGNATURE Mark Torres TITLE P&A Engineer DATE 1/4/2023

Type or print name Mark Torres E-mail address: marktorres@chevron.com PHONE: 989-264-2525

**For State Use Only**

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 1/10/23

Conditions of Approval (if any):

575-263-6633

## PROPOSED WELLBORE DIAGRAM

## FIELD: Quail (AL5)

LOC: 990' FNL &amp; 990' FEL

TOWNSHIP: 19S

RANGE: 34E

## WELL NAME: Quail Queen #11

SEC: 11

COUNTY: Lea

STATE: NM

GL: 3969'

KB: 3981'

DF:

CURRENT STATUS: SI Injector

API NO: 30-025-26707

CHEVNO: FJ8835

## Isolate Fresh Water

Perf & Circ. 98 sx Class C  
f/ 400' - 0'8-5/8" 23# csg set @ 1831' w/  
700sx cl C; circ cmt to surface.  
11" hole size.

Spud Date: 4/20/80

Initial Completion Date: 7/8/80

Initial Formation: Queen

From: 4974'

To: 5739'

Initial: Production

25 BOPD

12 MCFPD

2 BWPD

**H2S Concentration >100 PPM? NO**  
**NORM Present in Area? YES**

## Isolate Salt top, 8-5/8" shoe, Rustler

Perf & Squeeze 149 sx Class C f/ 1,974' - 1,358'  
WOC & tag plug

TOC @ 3300'

## Isolate Yates

Spot 25 sx Class C f/ 3,582' - 3,222'

## Isolate 7 rivers Spot 25 sx Class C 4040

## Isolate Perfs, Queen

Set CIP in packer profile and release on/off tool

Spot 28 sx Class C f/ 4,956' - 4,556'

WOC &amp; tag plug

4-1/2" Arrowset Inj Pkr @ 4956'

## Added Queen Perforations (2spf, 62 holes) - 2009

4974-79', 4983-86', 5000-06', 5014-18', 5029-39' &amp; 5057-60'

## Original Queen Perforations (2spf, 48 holes) - 1980

4974-79', 4983-86', 5000-06' &amp; 5029-39'

Treat w/ 1000 gals 15% NE  
acid, 23,940 gals gelled wtr &

4-1/2" CIBP @ 5150' (no report of cmt)

## Original Queen Perforations (2spf, 108 holes) - 1980

5546-50', 5560-63', 5568-74', 5581-88'

5662-66', 5700-05', 5710-18', 5722-39'

Treat w/ 5620 gals 15% NE  
acid, 40,000 gals gelled wtr,  
20,000 gals CO2 & 105,000#  
20/40 snd.

Formation	Top (MD, ft)
Rustler	1,858'
Salt Top	1,974'
Salt Bottom	3,300'
Yates	3,582'
Seven Rivers	4,045'
Queen	4,716'
Grayburg	5,348'
San Andres	5,683'

TD @ 6200'

**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**

**Quail Queen Unit #8Y****API:** 30-025-26707**Notes:**

- Oil well converted to injection in 2009 and has been shut-in since 2014.
- Well is on the NMOCD ACOI list with a deadline of 6/26/23.
- Reference [Onshore Operating Guidelines](#) and Business Partner SOPs for detailed guidance.
- Summary of Well History attached.
- WSR to assess crew competency and utilize SWA and contact Superintendent with any concerns.
- Proposed procedure – Lay down rig + CTU

**Rig Work**

1. Prior to rig arrival, verify well prep and confirm if any special or welded flanges are present that will require further intervention.
2. Contact NMOCD at least 24 hours prior to performing any work.
3. MIRU pulling unit.
4. Verify well pressures and if necessary, kill well as per [Chevron Global Well Control Document](#). Ensure all annuli are bled off. If H2S is present, call out scavenger and fans.
5. N/U BOPE using rubber coated hangers provided by Chevron, and pressure test, 250 psi low and MASP + 500 psi high (per Chevron operating guidelines) for 5 minutes each.
  - a. On a chart, no bleed off allotted.
6. MIRU wireline and lubricator.
7. Pressure test lubricator to MASP + 500 psi (whichever is larger) for 10 minutes.
  - a. If MASP is greater than 1,000 psi, contact the engineer to discuss running grease injection.
8. Perform gauge ring run, M/U and set CITP in packer profile at +/- 4,956'.
  - a. Contact engineer if unable to get down with gauge ring due to IPC pipe. Consider bullheading cement down tubing.
9. RDMO wireline unit.
10. Attempt to pressure test tubing and casing t/ 1,500 psi, MASP + 500 psi, or max anticipated pressure (whichever is larger) for 15 minutes.
11. Release on/off tool and TOH w/ production string.
12. RDMO.

**Coil Tubing Unit**

1. Contact NMOCD at least 24 hours prior to performing any work.
2. MIRU CTU
3. N/U BOPE and pressure test, 250 psi low and MASP + 500 psi high (per Chevron operating guidelines) for 5 minutes each.
  - a. On a chart, no bleed off allotted.
4. Verify well pressures and if necessary, kill well as per [Chevron Global Well Control Document](#). Ensure all annuli are bled off.
5. RIH w/ coiled tubing to tag existing mechanical barrier in wellbore.
6. Spot 28 sx Class C f/ 4,956' – 4,556'. WOC & tag plug.

7. Spot 25 sx Class C f/ 3,582' – 3,222'.
8. Perf & Squeeze 149 sx Class C f/ 1,974' – 1,358'. WOC, tag & pressure test plug.
9. Conduct bubble test for 30 minutes.
  - a. If bubble test fails, plan to run a CBL to confirm cement quality behind pipe
  - b. Adjust forward plan for a perforate and squeeze contingency cement plug or identify any opportunity to cut & pull casing, or R/D and monitor well.
  - c. Ultimate goal is to address failed test prior to fresh water depths.
  - d. Confirm forward plan with engineer and request forward plan approval from TRRC
13. If bubble test passes, proceed with approved C-103.
14. Perf & Circulate 98 sx Class C f/ 400' – 0'
15. Verify cement to surface.
16. RDMO

## CURRENT WELLBORE DIAGRAM

FIELD: Quail (AL5)

WELL NAME: Quail Queen #11

LOC: 990' FNL &amp; 990' FEL

SEC: 11

GL: 3969'

CURRENT STATUS: SI Injector

TOWNSHIP: 19S

COUNTY: Lea

KB: 3981'

API NO: 30-025-26707

RANGE: 34E

STATE: NM

DF:

CHEVNO: FJ8835

Spud Date: 4/20/80

Initial: Production

Initial Completion Date: 7/8/80

25 BOPD

Initial Formation: Queen

12 MCFPD

From: 4974'

To: 5739'

2 BWPD

**H2S Concentration >100 PPM? NO**  
**NORM Present in Area? YES**

8-5/8" 23# csg set @ 1831' w/  
 700sx cl C; circ cmt to surface.  
 11" hole size.

TOC @ 3300'

Tubing Strings									
Tubing Description		Planned Run?		Set Depth (MD) (ftOTH)			Set Depth (TVD) (ftOTH)		
Tubing		N		4,968.0					
Run Date		Run Job		Pull Date			Pull Job		
8/20/2013		Tubing Repair, 8/15/2013 07:00							
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftOTH)	Btm (ftOTH)
154	TBG 4.7# J-55 TK-99 IPC	2 3/8		4.70	J-55		4,942.8 4	12.0	4,954.8
1	1.81 F TYPE S/S PN	2 3/8					0.60	4,954.8	4,955.4
1	4 1/2 X 2 3/8 T-2 ON/OFF TOOL	2 3/8					0.70	4,955.4	4,956.1
1	4 1/2 X 2 3/8 7K NP ARROWSET Packer	2 3/8					6.35	4,956.1	4,962.5
1	TBG SUB 4.7# J-55 TK-99 IPC	2 3/8		4.70	J-55		4.18	4,962.5	4,966.7
1	1.78 R TYPE S/S PN	2 3/8					0.80	4,966.7	4,967.5
1	PUMP OUT PLUG	2 3/8					0.55	4,967.5	4,968.0

4-1/2" 10.5# csg set @ 5909'  
 w/787sx cl C; TOC @ 3300'. 7-7/8"  
 hole size.

Formation	Top (MD, ft)
Rustler	1,858'
Salt Top	1,974'
Salt Bottom	3,300'
Yates	3,582'
Seven Rivers	4,045'
Queen	4,716'
Grayburg	5,348'

San A 5,683'

2-3/8" 4.7# J-55 TK-99 IPC tbg @ 4955'

4-1/2" Arrowset Inj Pkr @ 4956'

## Added Queen Perforations (2spf, 62 holes) - 2009

4974-79', 4983-86', 5000-06', 5014-18', 5029-39' &amp; 5057-60'

## Original Queen Perforations (2spf, 48 holes) - 1980

4974-79', 4983-86', 5000-06' &amp; 5029-39'

Treat w/ 1000 gals 15% NE  
 acid, 23,940 gals gelled wtr &

## 4-1/2" CIBP @ 5150' (no report of cmt)

## Original Queen Perforations (2spf, 108 holes) - 1980

5546-50', 5560-63', 5568-74', 5581-88'  
 5662-66', 5700-05', 5710-18', 5722-39'

Treat w/ 5620 gals 15% NE  
 acid, 40,000 gals gelled wtr,  
 20,000 gals CO<sub>2</sub> & 105,000#  
 20/40 snd.

TD @ 6200'

## PROPOSED WELLBORE DIAGRAM

## FIELD: Quail (AL5)

LOC: 990' FNL &amp; 990' FEL

TOWNSHIP: 19S

RANGE: 34E

## WELL NAME: Quail Queen #11

SEC: 11

COUNTY: Lea

STATE: NM

GL: 3969'

KB: 3981'

DF:

CURRENT STATUS: SI Injector

API NO: 30-025-26707

CHEVNO: FJ8835

## Isolate Fresh Water

Perf & Circ. 98 sx Class C  
f/ 400' - 0'8-5/8" 23# csg set @ 1831' w/  
700sx cl C; circ cmt to surface.  
11" hole size.

Spud Date: 4/20/80

Initial Completion Date: 7/8/80

Initial Formation: Queen

From: 4974'

To: 5739'

Initial: Production

25 BOPD

12 MCFPD

2 BWPD

**H2S Concentration >100 PPM? NO**  
**NORM Present in Area? YES**

## Isolate Salt top, 8-5/8" shoe, Rustler

Perf & Squeeze 149 sx Class C f/ 1,974' - 1,358'  
WOC & tag plug

TOC @ 3300'

## Isolate Yates

Spot 25 sx Class C f/ 3,582' - 3,222'

4-1/2" 10.5# csg set @ 5909'  
w/787sx cl C; TOC @ 3300'. 7-7/8"  
hole size.

## Isolate Perfs, Queen

Set CIP in packer profile and release on/off tool  
Spot 28 sx Class C f/ 4,956' - 4,556'  
WOC & tag plug

4-1/2" Arrowset Inj Pkr @ 4956'

## Added Queen Perforations (2spf, 62 holes) - 2009

4974-79', 4983-86', 5000-06', 5014-18', 5029-39' &amp; 5057-60'

## Original Queen Perforations (2spf, 48 holes) - 1980

4974-79', 4983-86', 5000-06' &amp; 5029-39'

Treat w/ 1000 gals 15% NE  
acid, 23,940 gals gelled wtr &

4-1/2" CIBP @ 5150' (no report of cmt)

## Original Queen Perforations (2spf, 108 holes) - 1980

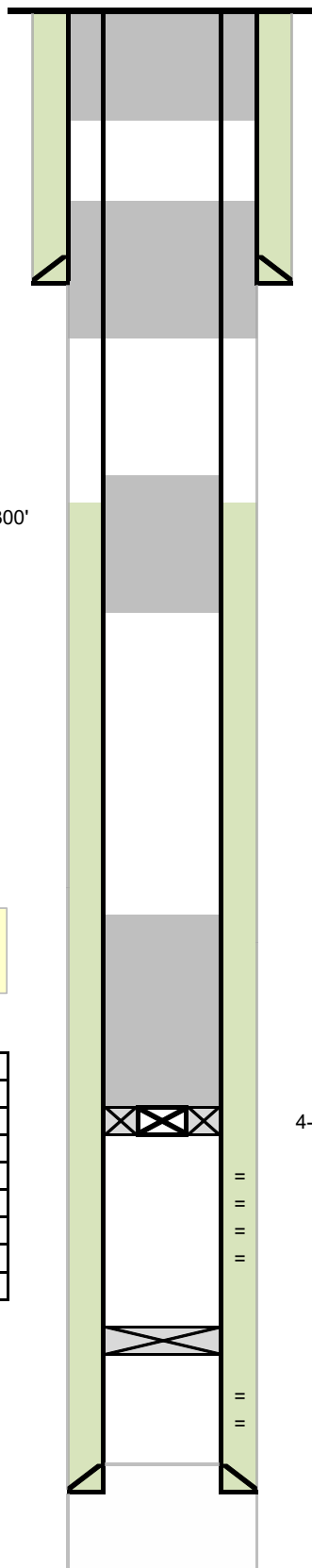
5546-50', 5560-63', 5568-74', 5581-88'

5662-66', 5700-05', 5710-18', 5722-39'

Treat w/ 5620 gals 15% NE  
acid, 40,000 gals gelled wtr,  
20,000 gals CO2 & 105,000#  
20/40 snd.

Formation	Top (MD, ft)
Rustler	1,858'
Salt Top	1,974'
Salt Bottom	3,300'
Yates	3,582'
Seven Rivers	4,045'
Queen	4,716'
Grayburg	5,348'
San Andres	5,683'

TD @ 6200'





**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

COMMENTS

Action 172488

COMMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 172488
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	1/11/2023

**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 172488

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 172488
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See Attached COA Note changes to procedure	1/10/2023