

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. 30-025-23031
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Quail Queen Unit
8. Well Number 8
9. OGRID Number 4323
10. Pool name or Wildcat Quail Queen
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3976'

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 [X] 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 K : 2080 feet from the South line and 1980 feet from the West line
Section 11 Township 19-S Range 34-E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3976'

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

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [ ] PLUG AND ABANDON [X]
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.

Move in, RU rig.
Establish Mech. barrier at +/- 4,940' packer depth (CITP or CIBP), pull production tubing from well.
RDMO rig.

MIRU Coiled tubing unit, RIH and tag mech. barrier
Spot 36 sx Class C f/ 4940 - 4590' ISOLATE & RIVERS Spot 25 sx Class C 4070
Spot 25 sx Class C f/ 3568' - 3328'
Perf & Squeeze 177 sx Class C f/ 2118' - 1359'
Perf & Squeeze 108 sx Class C f/ 457' - 0'
Confirm cement returns to surface, RDMO.

SEE ATTACHED CONDITIONS OF APPROVAL

LPC Area Below ground marker send pics before backfilling hole

Spud Date: 3/29/1969

Rig Release Date: Note changes to procedure

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 1/3/2023

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)**

**WELL NAME: Quail Queen #8**

LOC: 2080' FSL & 1980' FWL

SEC: 11

GL: 3976'

CURRENT STATUS: SI Injector

TOWNSHIP: 19S

COUNTY: Lea

KB: 3987.5'

API NO: 30-025-23031

RANGE: 34E

STATE: NM

DF:

CHEVNO: FG4599

**Isolate 8-5/8" Shoe/Water**  
Perf & Cric 108 sx 457' - 0'

Spud Date: 3/29/69	Initial: Production
Initial Completion Date: 9/1/69	7 BOPD
Initial Formation: Queen	0 MCFPD
From: 4783'	To: 5088'
	15 BWPD

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

8-5/8" 32# csg set @ 407' w/  
150sx; circ cmt to surface. 11"  
hole size.

**Isolate Salt Top, Rustler**

Perf & Squeeze 177 sx Class C f/ 2,118' - 1,359'

TOC @ 3300' (TS)

Formation	Top (MD, ft)
Rustler	1,859'
Salt Top	2,118'
Salt Bottom	3,321'
Yates	3,568'
Seven Rivers	4,075'
Queen	4,739'

**Isolate Yates**

Spot 25 sx Class C f/ 3,568' - 3,328'

**ISOLATE & RIVERS**  
**Spot 25 sx Class C 4070**

**Isolate Perfs, Queen**

Set CIP in packer profile and release on/off tool

Spot 36 sx Class C f/ 4,940' - 4,590'

WOC & tag plug

5-1/2" 14# & 15.5# csg set @  
5168' w/250sx; TOC @ 3300'. 7-  
7/8" hole size.

**Original Queen Perforations (2spf) - 1969**

= 5028-5032' (8 holes) - 500 gals 15% acid, 15,000 gals crude & 15,000# 20/40 snd.

= 5033-5034' (2 holes)

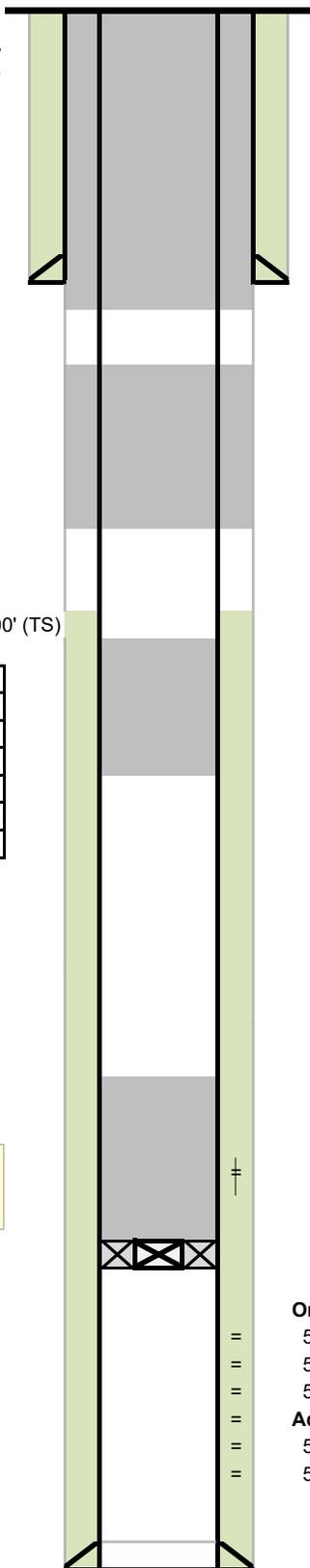
= 5083-5088' (10 holes) - 500 gals 15% acid, 11,000 gals crude & 11,000# 20/40 snd.

**Added Queen Perforations (2spf)**

= 5114-5120' (12/1981) - 1000 gals 15% NE acid

= 5028-34', 5041-60', 5064-70', 5082-86', 5092-94', 5101-05' & 5114-20' (6/2009)

PBTD: 5137'  
TD @ 5168'



**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: 30-025-23031

### 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 CIP in packer profile at +/- 4,940'.
  - 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 36 sx Class C f/ 4,940' – 4,590'. WOC & tag plug.

7. Spot 25 sx Class C f/ 3,568' – 3,328'.
8. Perf & Squeeze 177 sx Class C f/ 2,118' – 1,359'. 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 108 sx Class C f/ 457' – 0'
15. Verify cement to surface.
16. RDMO

**CURRENT WELLBORE DIAGRAM**

**FIELD:** Quail (AL5)

**WELL NAME:** Quail Queen #8

**LOC:** 2080' FSL & 1980' FWL

**SEC:** 11

**GL:** 3976'

**CURRENT STATUS:** SI Injector

**TOWNSHIP:** 19S

**COUNTY:** Lea

**KB:** 3987.5'

**API NO:** 30-025-23031

**RANGE:** 34E

**STATE:** NM

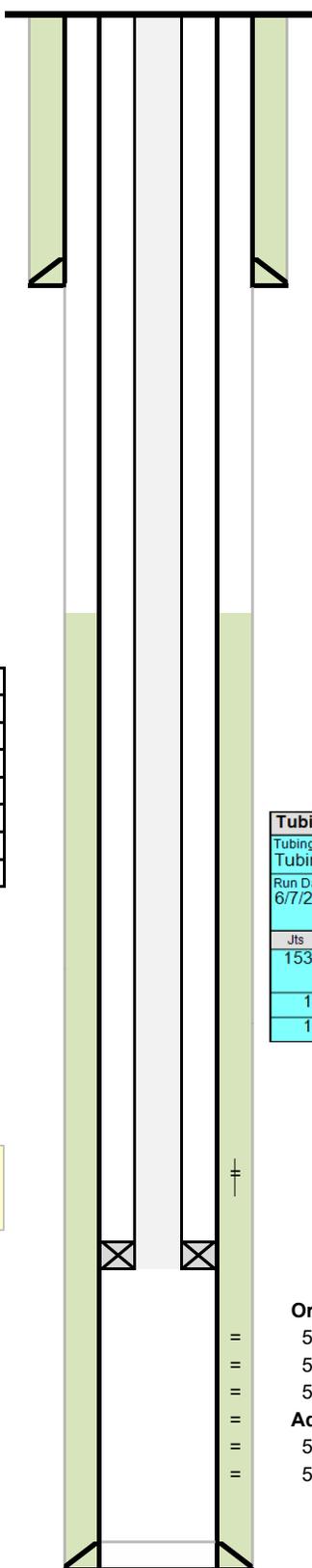
**DF:**

**CHEVNO:** FG4599

Spud Date: 3/29/69	Initial: Production
Initial Completion Date: 9/1/69	7 BOPD
Initial Formation: Queen	0 MCFPD
From: 4783' To: 5088'	15 BWPD

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

8-5/8" 32# csg set @ 407' w/ 150sx; circ cmt to surface. 11" hole size.



TOC @ 3300' (TS)

Formation	Top (MD, ft)
Rustler	1,847'
Salt Top	1,962'
Salt Bottom	3,294'
Yates	3,574'
Seven Rivers	4,064'
Queen	4,725'
Grayburg	5,382'

Tubing Strings									
Tubing Description		Planned Run?		Set Depth (MD) (ftOTH)		Set Depth (TVD) (ftOTH)			
Tubing		N		4,947.1					
Run Date		Run Job		Pull Date		Pull Job			
6/7/2013		Tubing Repair, 6/3/2013 14:00							
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftOTH)	Blm (ftOTH)
153	Tubing	2 3/8		4.70	L80		4,929.2 2	10.0	4,939.2
1	On-off Tool	2 3/8					1.00	4,939.2	4,940.2
1	Packer	2 3/8					6.90	4,940.2	4,947.1

5-1/2" 14# & 15.5# csg set @ 5168' w/250sx; TOC @ 3300'. 7-7/8" hole size.

**Original Perforations (2spf) - 1969**

4783-4794' (22 holes) - sqz'd w/ 85sx cl C cmt 12/1981

**Original Queen Perforations (2spf) - 1969**

- = 5028-5032' (8 holes) - 500 gals 15% acid, 15,000 gals crude & 15,000# 20/40 snd.
- = 5033-5034' (2 holes)
- = 5083-5088' (10 holes) - 500 gals 15% acid, 11,000 gals crude & 11,000# 20/40 snd.

**Added Queen Perforations (2spf)**

- = 5114-5120' (12/1981) - 1000 gals 15% NE acid
- = 5028-34', 5041-60', 5064-70', 5082-86', 5092-94', 5101-05' & 5114-20' (6/2009)

PBTD: 5137'  
 TD @ 5168'

**PROPOSED WELLBORE DIAGRAM**

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**WELL NAME:** Quail Queen #8

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**RANGE:** 34E

**STATE:** NM

**DF:**

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Initial Completion Date: 9/1/69	7 BOPD
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Perf & Squeeze 177 sx Class C f/ 2,118' - 1,359'

TOC @ 3300' (TS)

Formation	Top (MD, ft)
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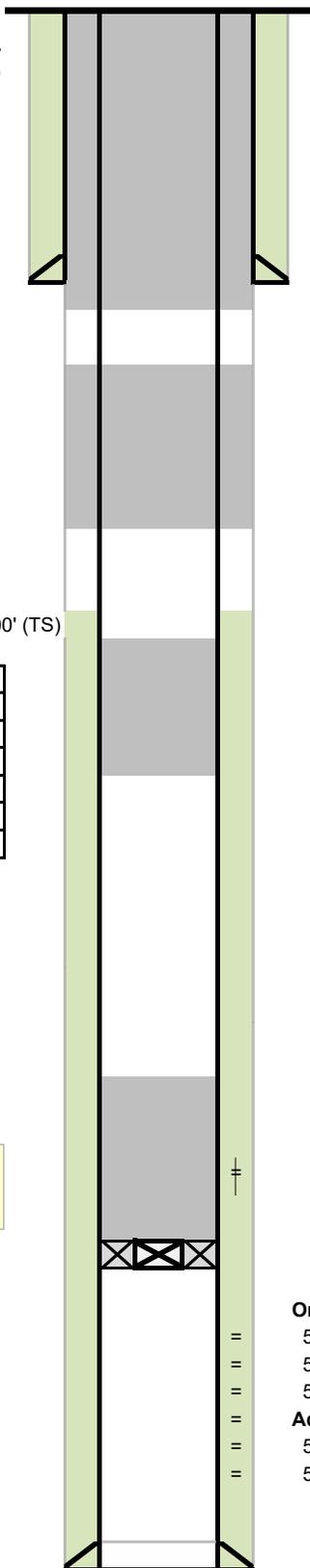
**Isolate Yates**  
Spot 25 sx Class C f/ 3,568' - 3,328'

5-1/2" 14# & 15.5# csg set @  
5168' w/250sx; TOC @ 3300'. 7-  
7/8" hole size.

**Isolate Perfs, Queen**  
Set CIP in packer profile and release on/off tool  
Spot 36 sx Class C f/ 4,940' - 4,590'  
WOC & tag plug

- Original Queen Perforations (2spf) - 1969**
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PBTD: 5137'  
TD @ 5168'



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 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 172499

**COMMENTS**

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 172499
	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

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

CONDITIONS  
 Action 172499

**CONDITIONS**

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 172499
	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