

Submit 1 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

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

Form C-103  
Revised August 1, 2011

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 30-025-05373
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Injection <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Chevron USA Inc.		6. State Oil & Gas Lease No.
3. Address of Operator 6301 DEAUVILLE BLVD., MIDLAND, TX 79706		7. Lease Name or Unit Agreement Name Lovington Paddock Unit
4. Well Location Unit Letter <u>F</u> : <u>2310</u> feet from the <u>North</u> line and <u>1968</u> feet from the <u>West</u> line Section <u>31</u> Township <u>16S</u> Range <u>37E</u> NMPM County <u>Lea</u>		8. Well Number: <u>24</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3,816' GL, 3,832' DF</u>		9. OGRID Number <u>4323</u>
		10. Pool name or Wildcat Lovington Paddock

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <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"/>			
OTHER: <u>Revised</u> <input type="checkbox"/>		OTHER: <u>TEMPORARILY ABANDON</u> <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. 8-5/8" @ 2,070' TOC Surface, 5-1/2" @ 6,133' TOC 4,077' via Temp Survey. Open Hole: 6,133'-6,280'.

Chevron USA INC respectfully requests to abandon this well as follows:

1. Call and notify NMOCD 24 hrs before operations begin.
2. Pressure test casing t/ 1,000 psi f/ 15 minutes rig-less.
  - a. If tubing fails a pressure test, contact the engineer. This may generate a change in the procedure to lay down the tubing, setting CIBP, and allow CTU to plug the well.
3. MIRU pulling unit.
4. Check well pressures, kill well as necessary, perform bubble test on surface casing annuli, if bubble test fails Chevron intends to Zonite, cut and pull casing, or eliminate SCP with another means after the well is plugged to a certain point agreed upon by the NMOCD and Chevron.
5. N/U BOP and pressure test as per SOP.
  - a. 250 psi low, MASP or 1,000 psi for 5 minutes each (whichever is higher).
6. Attempt to release on-off tool, if unsuccessful follow step 7.
7. R/U wireline unit, pressure test lubricator t/ 500 psi for 10 minutes, run gauge ring, cut tubing at 6,025'.
  - a. If gauge ring does not make it to depth, contact engineer to discuss unsetting packer/on-off tool, laying down tubing, setting a CIBP to allow CTU to plug the well.
  - b. After cutting, verify tubing is free.
8. Spot 65 sx CL "C" cement f/ 6,025' t/ 5,383', WOC & tag (Perfs, Glorieta).
  - a. TOC must be at 5,960' or shallower.
  - b. Discuss spotting Jet Seal if no circulation is observed.
9. Pressure test casing t/ 1,000 psi f/ 15 minutes.
10. Spot MLF, subtracting cement volumes. Do not place MLF until casing pressure tests. Do not place MLF above the first P&S.
11. Spot 95 sx CL "C" cement f/ 4,753' t/ 3,815' (San Andres, Grayburg, Queen).

**See Attached  
Conditions of Approval**

- a. TOC must be at 3,912' or shallower.
12. Perforate at 3,450' and squeeze 170 sx CL "C" cement f/ 2,525' t/ 3,450', WOC & tag (Yates, 7 Rivers).
- a. TOC must be at 2,568' via Chevron Barrier Standard.
13. Pressure test t/ 1,000 psi f/ 15 minutes.
14. Perforate at 2,120' and squeeze 165 sx CL "C" cement f/ 1,420' t/ 2,120' (FW, Shoe).
15. Ensure no U-tubing occurs, immediately perforate at 1,415' and circulate 1.5x full volume to remove any excess cement. Wait approximately 1 hour for cement to gel and finish cementing to surface with 335 sx CL "C" cement.
- a. This two stage method reduces losses and cement fall-back.
- b. Deepest freshwater zone in the area is ~85'.
16. Cut all casings & anchors & remove 3' below grade. Verify cement to surface & weld on dry hole marker (4" diameter, 4' tall). Clean location.

Note: All cement plugs class "C" (<7,500') or "H" (>7,500') with closed loop system used, and MLF spotted between plugs.

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

SIGNATURE [Signature] TITLE P&A Engineer, Attorney in fact DATE 03/13/2020

Type or print name Howie Lucas E-mail address: howie.lucas@chevron.com PHONE: (832)-588-4044

**For State Use Only**

APPROVED BY: Kenny Fortner TITLE C O A DATE 4-24-20  
Conditions of Approval (if any):

**See Attached  
Conditions of Approval**

## Wellbore Diagram

Created: 04/19/19 By: \_\_\_\_\_  
 Updated: \_\_\_\_\_ By: \_\_\_\_\_  
 Lease: Lovington Paddock Unit  
 Field: Lovington  
 Surf. Loc.: 2310 FNL & 1968 FWL  
 Bot. Loc.: \_\_\_\_\_  
 County: Lea St.: NM  
 Status: \_\_\_\_\_

Well #: 24 St. Lse: \_\_\_\_\_  
 API: 30-025-05373  
 Unit Ltr.: F Section: 31  
 TSHP/Rng: 16S-37E  
 Unit Ltr.: \_\_\_\_\_ Section: \_\_\_\_\_  
 TSHP/Rng: \_\_\_\_\_  
 Directions: Buckeye, NM  
 Chevno: FA6500

### Surface Casing

Size: 8-5/8"  
 Wt., Grd.: 32#  
 Depth: 2070  
 Sxs Cmt: 950  
 Circulate: No  
 TOC: Surface  
 Hole Size: 11"

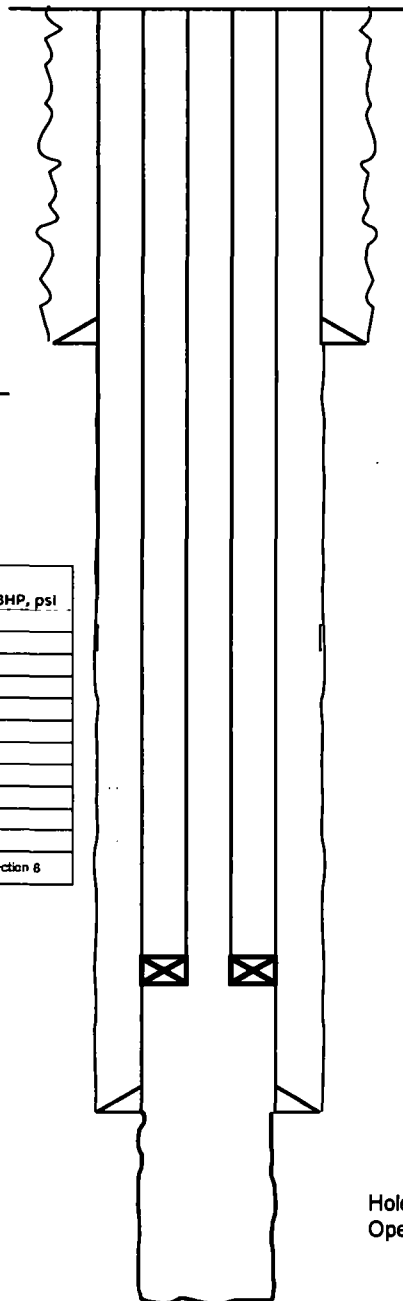
KB: \_\_\_\_\_  
 DF: 3,832  
 GL: 3,816  
 Ini. Spud: 09/13/53  
 Ini. Comp.: 10/21/53

### Production Casing

Size: 5-1/2"  
 Wt., Grd.: 15.5#  
 Depth: 6133'  
 Sxs Cmt: 400  
 Circulate: No  
 TOC: 4077' by TS  
 Hole Size: 7-7/8"

Formation Name	TD, ft	BHP, psi
	Top	
Rustler	2198	
Yates	3068	
Seven Rivers	3400	
Queen	4012	
Grayburg	4436	
San Andres	4703	
Glorieta	6060	
Paddock	6142	

\* tops based on LPU 127 located in north central section 8



2-3/8" IPC Tbg

Arrowset 1-X5 Inj Pkr w/ on-off tool @ 6030'

Hole Size: 4-3/4"  
 Open Hole: 6133' - 6280'

PBTD(est.): 6,258  
 TVD: 6,280

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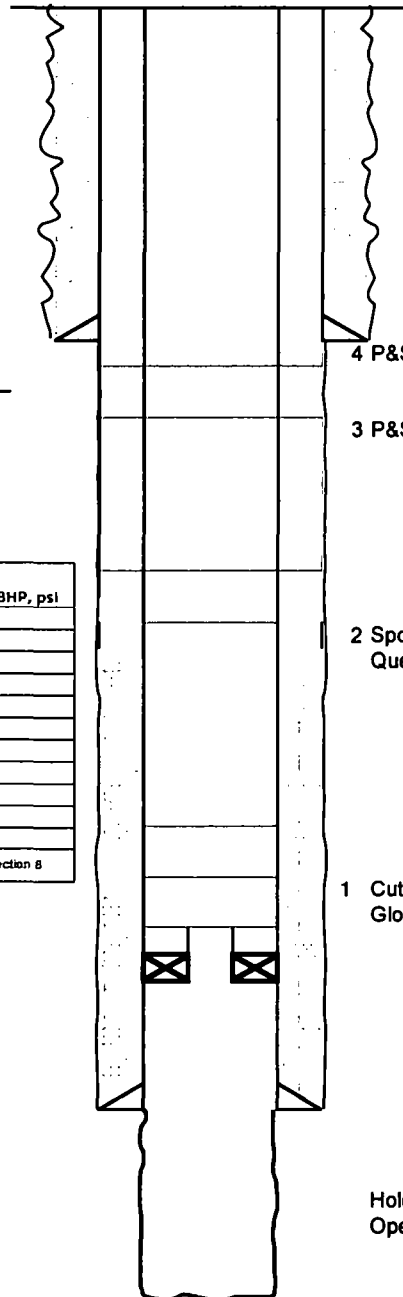
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4 P&S across shoe to surface

3 P&S across 7 Rivers, Yates, WOC & tag

2 Spot cement across San Andres, Grayburg Queen

1 Cut or release on-off tool, spot cement above  
 Glorieta, WOC & tag, pressure test  
 2-3/8" IPC Tbg  
 Arrowset 1-X5 Inj Pkr w/ on-off tool @ 6030'

Hole Size: 4-3/4"  
 Open Hole: 6133' - 6280'

PBTD(est.): 6,258  
 TVD: 6,280

**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, woe 4 hours and tag, this plug will be SO' 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, woe and tagged. These plugs will be set SO' below formation bottom to 50' above formation top inside the casing

#### **DRY HOLE MARKER REQ.UIRMENTS**

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 1/4" 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**