

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

Form C-103  
 Revised August 1, 2011

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

WELL API NO. 30-025-32338
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 Vacuum Glorieta West Unit
8. Well Number: 133
9. OGRID Number 4323
10. Pool name or Wildcat Vacuum Glorieta

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

1. Type of Well: Oil Well  Gas Well  Other Injection

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

3. Address of Operator  
6301 DEAUVILLE BLVD., MIDLAND, TX 79706

4. Well Location  
 Unit Letter O : 355 feet from the South line and 1875 feet from the East line  
 Section 36 Township 17S Range 34E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3,991' GL, 4,005' KB

**HOBBS**  
**RECEIVED**  
 MAY 29 2020

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

<p><b>NOTICE OF INTENTION TO:</b></p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/></p> <p>DOWNHOLE COMMINGLE <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>	<p><b>SUBSEQUENT REPORT OF:</b></p> <p>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/></p> <p>CASING/CEMENT JOB <input type="checkbox"/></p> <p>OTHER: TEMPORARILY ABANDON <input type="checkbox"/></p>
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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" @ 1,460' TOC Surface, 5-1/2" @ 8,100' TOC Surface. Please see WBD for plug back and open hole sidetrack information.

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

All Cement sack volumes are calculated using 1.32 yield for Class C and 1.18 yield for Class H. Adjust volumes to match footage as necessary based on the yield used at the time of execution.

1. Call and notify NMOCD 24 hrs before operations begin.
2. Pressure test casing to 500 psi for 15 minutes rig-less (or maximum anticipated pressure).
  - a. If pressure test fails, contact engineer.
3. MIRU CTU.
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.
  - a. Bubble test should be at least 30 minutes and follow the bubble test SOP.
  - b. Bubble tests should occur each morning, critical times are prior to pumping upper hydrocarbon plug or pumping cement to surface.
  - c. Perform final bubble test after cement has hardened.
5. N/U BOP and pressure test as per SOP.
  - a. 250 psi low for 5 minutes, and MASP or 500 psi, or highest expected pressure (whichever is greater) for the job for 10 minutes each.
6. TIH and tag CIBP cement cap at 5,695'.
7. Spot MLF, subtracting cement volumes. Do not place MLF until casing pressure tests.
8. Spot 25 sx CL "C" cement f/ 5,695' t/ 5,449' (Glorieta).
  - a. TOC must be at 5,630' or shallower.
  - b. Discuss with NMOCD on waiving WOC and tag if casing passed a pressure test.
9. Spot 40 sx CL "C" cement f/ 4,222' t/ 3,827' (San Andres, Grayburg).

**See Attached Conditions of Approval**

- a. TOC must be at 3,872' or shallower.
- 10. Spot 25 sx CL "C" cement f/ 2,765' t/ 2,519' (Yates).
  - a. TOC must be at 2,665' or shallower.
- 11. Spot 170 sx CL "C" cement f/ 1,636' t/ Surface (Shoe, Salt, FW).
  - a. Deepest freshwater zone in the area is ~169'.
- 12. 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 HL TITLE P&A Engineer, Attorney in fact DATE 05/28/2020

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

**For State Use Only**

APPROVED BY: Kerry Fort TITLE CO A DATE 5-29-20  
Conditions of Approval (if any):

**CURRENT  
WELBORE DIAGRAM**

Created: 11/26/2003  
 Lease: VGWU  
 Surface Location: 355' FSL & 1875' FEL  
 Bottomhole Location: 600' FNL & 1400' FEL  
 County: Lea  
 Current Status: TA'd Oil Well  
 Directions to Wellsite: Buckeye, New Mexico

By: SMG/MCD

Well No.: 133H  
 Unit Ltr: O  
 Unit Ltr: B  
 Elevation: 3991' GL  
 Original St Lease: 548570

Sec: 36  
 Sec: 1  
 API: 30-025-32338  
 VGWU Lease #: B-1520

Field: Vacuum  
 TSHP/Range: 17S-34E  
 TSHP/Range: 18S-34E

This well was drilled as New Mexico O State NCT-1 #35. Well was renamed VGWU #133 effective 3/15/99. It was recompleted as a horizontal well effective 5/24/00.

**Surface Casing**

Size: 8 5/8"  
 Wt.: 24#  
 Set @: 1460'  
 Sxs cmt: 650 sxs  
 Circ: Yes, 148 sxs  
 TOC: Surface  
 Hole Size: 11"

KB: 4005'  
 DF: 4004'  
 GL: 3991'  
 Original Spud Date: 2/28/1994  
 Original Compl. Date: 3/26/1994  
 Horizontal Spud Date: 4/6/2000  
 Horizontal Compl. Date: 5/24/2000

**Production Casing**

Size: 5 1/2"  
 Wt.: 15.5# & 17#  
 Set @: 8100'  
 Sxs Cmt: 2025 sxs  
 Circ: Yes, 289 sxs  
 TOC: Surface  
 Hole Size: 7 7/8"

FORMATION TOPS	
Santa Rosa	1111
Rustler	1455
Salt	1586
Tansil	2671
Yates	2765
Seven Rivers	3103
Queen	3662
Grayburg	3972
San Andres	4222
Glorieta	5856
Paddock	5986
Drinkard	7350

2/28/1994 Spud well.  
 3/26/1994 Complete in Drinkard Fm w/ perms @ 7486-7751'. Stim w/ 8750 gals 20% HCl. Run pmp, rods & tbg. Pmp'd 127 bo, 11 bw, 51 mcf.  
 9/30/1996 POOH w/ rods, pmp & tbg. C/O to 7980' (PBD). Perf Blinbry Fm f/ 6404-7124' and stim w/ 4000 gals 15% HCl, 24k gals CO2 foamed acid & 42.2k gals CO2 foamed WF-140. Commingled in both Blinbry & Drinkard.  
 2/5/1999 Set CIBP @ 7350' (above Dinkard) and cap w/ 35' cmt (TOC @ 7315'). Set CIBP @ 6350' (above Blinbry) and cap w/ 35' cmt (TOC @ 7315'). Perf Glorieta f/ 5920-6050' and acid stim w/ 5880 gals 15% NEFE.  
 3/7/2000 24-hour OPT: 148 bo, 395 bw, 26 mcf (Rod Pmp).  
 5/24/2000 Set cmt ret @ 5784', mix & pmp 200sx cl H cmt into Glorieta perms f/ 5920-6050'. Tag @ 5780'. Set whipstock @ 5770' and recomplete as OH lateral in Glorieta. Acid stim lateral f/ 5772-6895' (TMD) w/ 1000 gals 15%.  
 6/7/2000 24-hour OPT: 53 bo, 793 bw, 24 mcf (ESP).  
 5/21/2015 TIH w/ CIBP and set @ 5730'. Test to 500# - okay. Dump 35' cmt on top of CIBP (TOC @ 5695').

Top of Horizontal Window: 5772'  
 Bot of Horizontal Window: 5778'  
 Whipstock: 5772-5780'  
 Cement Retainer: 5780'  
 Vacuum Glorieta Perfs: 5920-6050' 2JSPF (sqzd w/ 200sx Cl H cmt)  
 Cement Cap (35'): 6315-6350'  
 CIBP: 6350'  
 Vacuum Blinbry Perfs: 6404-7124' 4JSPF, 292 Holes  
 Cement Cap (35'): 7315-7350'  
 CIBP: 7350'  
 Vacuum Drinkard Perfs: 7486-7751' 2JSPF 265 Holes

35' cmt cap (TOC @ 5695')  
 5-1/2" CIBP set @ 5730'

Glorieta Open Hole Lateral  
 5772-5948' TVD  
 5772-6895' TMD

Horizontal TD  
 6895' TMD  
 5948' TVD

Original Vertical PBDT: 7980'  
 Original Vertical TD: 8100'

Remarks:

**Proposed  
WELLBORE DIAGRAM**

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**Bottomhole Location:** 600' FNL & 1400' FEL  
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**Directions to Wellsite:** Buckeye, New Mexico

**By:** SMG/MCD  
**Well No.:** 133H  
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**TSHP/Range:** 17S-34E  
**TSHP/Range:** 18S-34E

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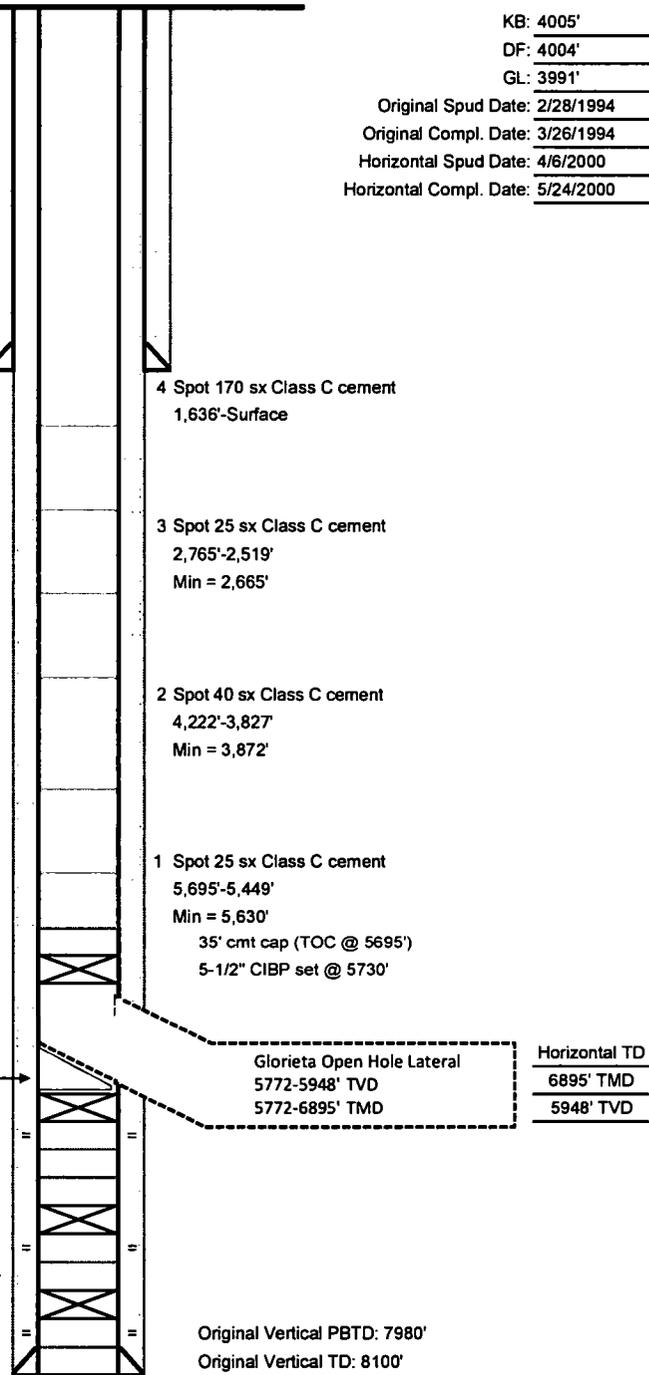
**Surface Casing**  
**Size:** 8 5/8"  
**Wt.:** 24#  
**Set @:** 1460'  
**Sxs cmt:** 650 sxs  
**Circ:** Yes, 148 sxs  
**TOC:** Surface  
**Hole Size:** 11"

**KB:** 4005'  
**DF:** 4004'  
**GL:** 3991'  
**Original Spud Date:** 2/28/1994  
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**Size:** 5 1/2"  
**Wt.:** 15.5# & 17#  
**Set @:** 8100'  
**Sxs Cmt:** 2025 sxs  
**Circ:** Yes, 289 sxs  
**TOC:** Surface  
**Hole Size:** 7 7/8"

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**Top of Horizontal Window:** 5772'  
**Bot of Horizontal Window:** 5778'  
**Whipstock:** 5772-5780'  
**Cement Retainer:** 5780'  
**Vacuum Glorieta Perfs:** 5920-6050' 2JSPF (sqzd w/ 200sx CI H cmt)  
**Cement Cap (35):** 6315-6350'  
**CIBP:** 6350'  
**Vacuum Blinbery Perfs:** 6404-7124' 4JSPF, 292 Holes  
**Cement Cap (35):** 7315-7350'  
**CIBP:** 7350'  
**Vacuum Drinkard Perfs:** 7486-7751' 2JSPF 265 Holes



**Original Vertical PBTD:** 7980'  
**Original Vertical TD:** 8100'

**Remarks:**

**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**