

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 PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Injection <input type="checkbox"/>	
2. Name of Operator Chevron U.S.A. Inc.	
3. Address of Operator 6301 DEAUVILLE BLVD., MIDLAND, TX 79706	
4. Well Location Unit Letter <u>O</u> : <u>355</u> feet from the <u>South</u> line and <u>1875</u> feet from the <u>East</u> line Section <u>36</u> Township <u>17S</u> Range <u>34E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,991' GL, 4,005' KB	

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

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

- Call and notify NMOCD 24 hrs before operations begin.
- Pressure test casing to 500 psi for 15 minutes rig-less (or maximum anticipated pressure).
 - If pressure test fails, contact engineer.
- MIRU CTU.
- 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.
 - Bubble test should be at least 30 minutes and follow the bubble test SOP.
 - Bubble tests should occur each morning, critical times are prior to pumping upper hydrocarbon plug or pumping cement to surface.
 - Perform final bubble test after cement has hardened.
- N/U BOP and pressure test as per SOP.
 - 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.
- TIH and tag CIBP cement cap at 5,695'.
- Spot MLF, subtracting cement volumes. Do not place MLF until casing pressure tests.
- Spot 25 sx CL "C" cement f/ 5,695' t/ 5,449' (Glorieta).
 - TOC must be at 5,630' or shallower.
 - Discuss with NMOCD on waiving WOC and tag if casing passed a pressure test.
- 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: Kenny Fort TITLE CO A DATE 5-29-20

Conditions of Approval (if any):

**CURRENT
WELLBORE 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 & tbq. Pmp'd 127 bo, 11 bw, 51 mcf.
 9/30/1996 POOH w/ rods, pmp & tbq. C/O to 7980' (PBDT). 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').

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

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

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**

Created:	11/26/2003	By:	SMG/MCD				
Lease:	VGWU	Well No.:	133H	Field:	Vacuum		
Surface Location:	355' FSL & 1875' FEL	Unit Ltr:	O	Sec:	36	TSHP/Range:	17S-34E
Bottomhole Location:	600' FNL & 1400' FEL	Unit Ltr:	B	Sec:	1	TSHP/Range:	18S-34E
County:	Lea	St:	New Mexico	Elevation:	3991' GL	API:	30-025-32338
Current Status:	TA'd Oil Well	Original St Lease:	548570	VGWU Lease #:	B-1520		
Directions to Wellsite:	Buckeye, New Mexico						

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'

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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	
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Drinkard	7350

Top of Horizontal Window: 5772'
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4 Spot 170 sx Class C cement
 1,636'-Surface

3 Spot 25 sx Class C cement
 2,765'-2,519'
 Min = 2,665'

2 Spot 40 sx Class C cement
 4,222'-3,827'
 Min = 3,872'

1 Spot 25 sx Class C cement
 5,695'-5,449'
 Min = 5,630'
 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 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