

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

**NM OIL CONSERVATION DIVISION**  
ARTESIA DISTRICT Minerals and Natural Resources  
OCT 23 2019  
RECEIVED  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised July 18, 2013

<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. 30-015-26284
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" 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 South Culebra 23
4. Well Location Unit Letter <u>M</u> : <u>510</u> feet from the <u>South</u> line and <u>660</u> feet from the <u>West</u> line Section <u>23</u> Township <u>23S</u> Range <u>28E</u> NMPM County <u>Eddy</u>		8. Well Number 3
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3034 RKB		9. OGRID Number 371115
		10. Pool name or Wildcat East Loving (Delaware)

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"/>	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"/>			
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.

**Notify OCD 24 hrs. prior to any work done.**

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

1. Call and notify NMOCD 24 hrs before operations begin.
2. Move in rig and rig up all CMT equipment
3. RIH and set CIBP @ 5914' Pressure test @ 1000 psi for 10 minutes
4. Spot 155 sx CL "C" cmt f/ 5914' t/ 4605', ~~do not~~ WOC & tag if casing passed a pressure test (perfs, Brushy Canyon)
5. Perf and squeeze 45 sx of Class C CMT f/ 3515' t/ 3352' (Cherry Canyon). WOC-Tag
6. Perf & squeeze 115 sx of Class C CMT f/ 2667' t/ 2253' (BSalt, Lamar LS, Bell Canyon). WOC-Tag
7. Perf & squeeze 165 sx of Class C CMT f/ 585' t/ Surface (TSalt, Shoe, WB)
8. Cut all casings & anchors & remove 3' below grade. Verify cement to surface & weld on dry hole marker as per, NMOCD requirements. Clean location.

*Need to update files - C-103 on Perforations before plugging well*

*\* See Attached COAs must be plugged by 10/24/20*

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

SIGNATURE Ricky Villanueva TITLE Well P&A Project Manager DATE 10/23/2019

Type or print name Ricky Villanueva E-mail address: ryqg@chevron.com PHONE: 432-687-7786

**For State Use Only**

APPROVED BY: [Signature] TITLE State Engineer DATE 10/24/19  
Conditions of Approval (if any):

*[Handwritten signature]*

# SOUTH CULEBRA BLUFF 23 3

Loving East - 30-015-26284

Eddy County, New Mexico

M-23-23S-28E 510 FSL 660 FWL

CURRENT STATUS: INACTIVE, UPDATED BY Y.LI ON 8/5/2019

KB: 3,034'

GL: 3,022'

TOC @ surf  
cmt w/ 425 sxs  
Class C + 2% CaCl.  
Circ 45 sxs  
8 5/8" csg @ 535'

Spud Date: 2/19/1990  
TD Date: 3/1/1990  
Compl Date: 3/10/1990

## CASING DETAIL

Depth	Size	Weight	Grade	Hole Size
535'	8 5/8"	23#	K-55	12 1/4"
6328'	5 1/2"	15.5#	K-55	7 7/8"

## Tubing

192 jts 2-7/8" tbg  
TAC @ 5977'  
6 jts 2-7/8" tbg  
3' Mother Hubbard w/ BP  
SN @ 6167'  
EOT @ 6212'

## Rods

Pump  
158 - 3/4" rods  
88 - 7/8" rods

Note: Tbg & Rod details come from Range  
WBD on 11/27/2012

Brushy Canyon "B"  
6014' - 6022' - 48 holes

frac'd in '04

Brushy Canyon "C"  
6120' - 6152' - 2spf, 64 shots

frac'd in '09

Brushy Canyon "D"  
6174' - 6232' - 44 holes

frac'd in '90

TOC @ 4105' via CBL  
cmt w/ 700 sxs C  
foamed cmt Lead and  
600 sxs C + additives  
tail  
5 1/2" csg @ 6328'

PBTD = 6284'  
TD = 6,330'

This wellbore diagram is based on  
most recent information regarding  
wellbore configuration &  
equipment that could be found in  
Midland Office well files &  
computer / online databases as of  
above update date.

Note: This schematic is not to scale. For display purposes only.

# SOUTH CULEBRA BLUFF 23 3

Loving East - 30-015-26284

Eddy County, New Mexico

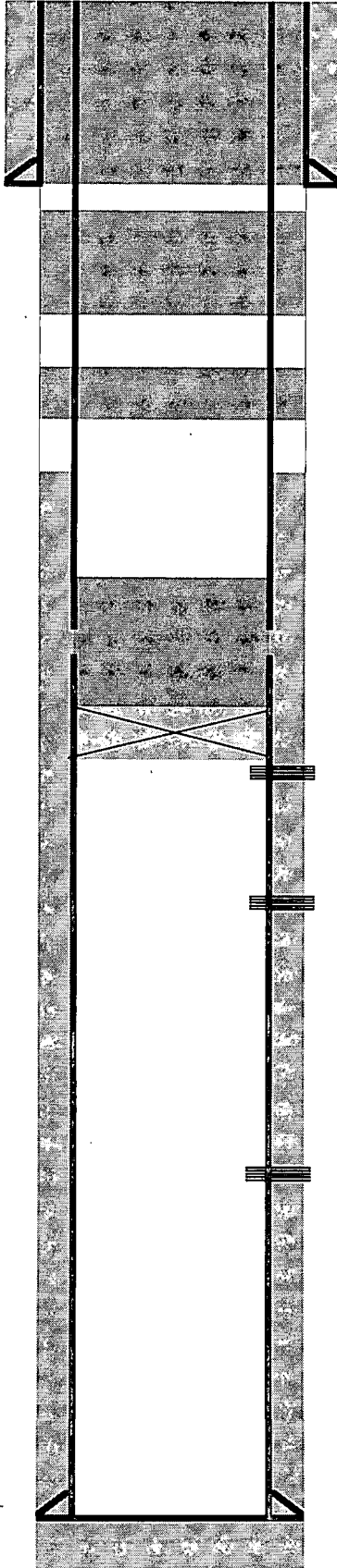
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Perf & squeeze 45 sx of Class C CMT f/ 3515' to 3352'  
(Cherry Canyon) WOC-Tag

TOC @ 4105'

Formation	Depth (MD)
T Salt	500
B Salt	2,373
Lamar LS	2,587
Bell Canyon	2,617
Cherry Canyon	3,465
Brushy Canyon	4,726
Bone Spring	6,234
1st Bone Spr below TD	

Spot 155 sx of Class C CMT f/ 5914' to 4605'  
Pressure Test @ 1000 psi for 10 minutes  
(Brushy Canyon) WOC-Tag

6014' - 6022' - 48 holes

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cmt w/ 700 sxs C foamed  
cmt Lead and 600 sxs C +  
additives tail  
5 1/2" csg @ 6328'

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TD = 6,330'

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## CONDITIONS FOR PLUGGING AND ABANDONMENT

### District II / Artesia N.M.

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 II at (575)-748-1283 at least 24 hours before beginning work.**

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.
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 the well is not plugged within 1
7. 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.
8. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
9. Produced water **will not** be used during any part of the plugging operation.
10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
11. 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.
12. **Class 'C' cement will be used above 7500 feet.**
13. **Class 'H' cement will be used below 7500 feet.**
14. **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**
15. **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)