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

RECEIVED

State of New Mexico
Energy, Minerals and Natural Resources

DEC 11 2019

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

DISTRICT II-ARTESIA O.C.D.

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-22591	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
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.)	7. Lease Name or Unit Agreement Name South Culebra Bluff Unit
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	8. Well Number 2
2. Name of Operator Chevron USA INC	9. OGRID Number 371115
3. Address of Operator 6301 Deauville BLVD, Midland, TX 79706	10. Pool name or Wildcat Loving (Delaware)
4. Well Location Unit Letter J : 1722 feet from the South line and 2032 feet from the East line Section 14 Township 23S Range 28E NMPM County Eddy	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3034 RKB

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			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. 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 CIBP set @ 6060' w/25sx Cmt WOC & Tag
3. RIH and set CIBP @ 5700' Pressure test @ 1000 psi for 10 minutes
4. Spot 125 sx CL "C" cmt f/ 5700't/ 5164', ~~do not~~ WOC & tag if casing passed a pressure test (perfs, DV tool)— WOC & Tag
5. RIH and set CIBP @ 4700' Pressure test @ 1000 psi for 10 minutes
5. Spot 40 sx of Class C CMT f/ 4700' t/ 4526 ' (Perfs). — WOC & Tag
6. Spot 40 sx of Class C CMT f/ 3496't/ 3322'(Cherry Canyon).— Perf @ 3150' & Attempt to Circ.
7. Spot 95 sx of Class C CMT f/ 2703' to 2296' (B Salt, Lamar Salt, Bell Canyon)
8. Spot 135 sx of Class C CMT f/ 570' to Surface (T Salt,WB, Shoe) — Perf @ 528' & Attempt to Circ.
9.Cut all casings & anchors & remove 3' below grade. Verify cement to surface & weld on dry hole marker as per, NMOCD requirements. Clean location.

*** SEE ATTACHED COA'S - Revised

MUST BE PLUGGED BY
12/12/20

I hereby certify that the information above is true and complete to the b

SIGNATURE [signature] TITLE Well P&A Project Manager DATE 12/3/2019

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

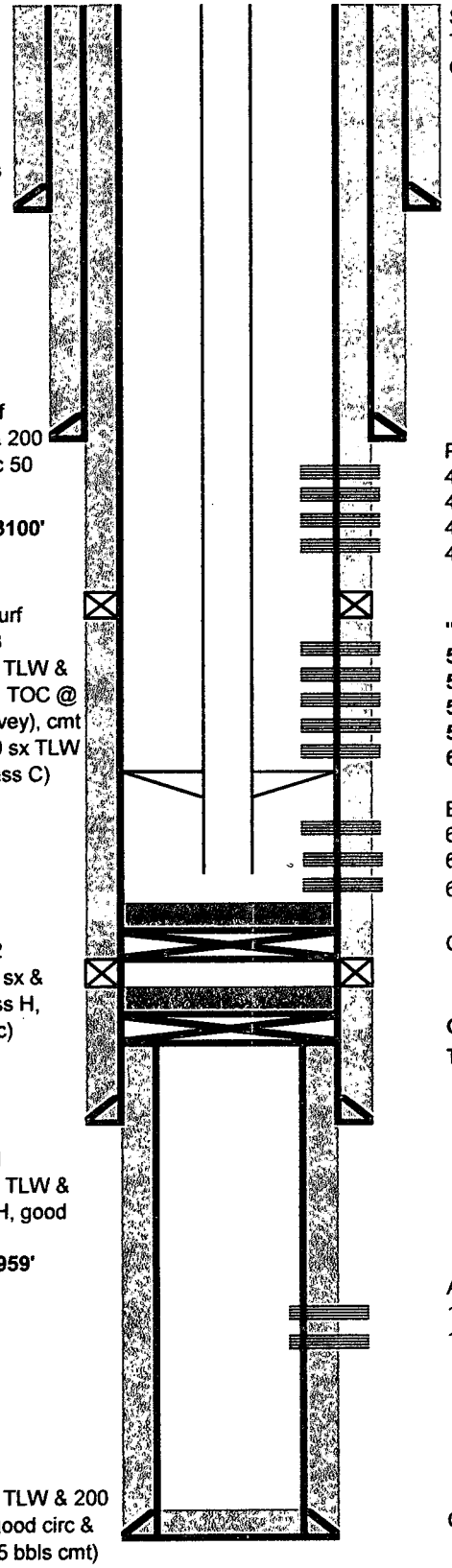
For State Use Only

APPROVED BY: [signature] TITLE Staff Mgr DATE 12/12/19

Conditions of Approval (if any):

SOUTH CULEBRA BLUFF UNIT 2
Loving East: API #30-015-22591
Eddy County, NM
J-14-23S-28E 1722' FSL, 2032' FEL
CURRENT COMPLETION (Last updated by Y. Li & RJ DeBruin, 7/21/2019)

KB:
GL: 2982.3'



TOC @ surf (1575 sx Class C, circ 200 bbls cmt)
16" csg @ 478'

TOC @ surf (1300 sx HLC & 200 sx class C, circ 50 bbls cmt)
10-3/4" csg @ 3100'

TOC @ surf
Stage 3
(cmt w/ 200 sx TLW & 100 sx Class H, TOC @ 3100' (temp survey), cmt backside w/ 800 sx TLW & 150 sx Class C)

Stage 2
(cmt w/ 175 sx & 100 sx Class H, good circ)

Stage 1
(cmt w/ 125 sx TLW & 200 sx Class H, good circ)
7-5/8" csg @ 9959'

(cmt w/ 400 sx TLW & 200 sx Class H, good circ & reverse out 15 bbls cmt)
4-1/2" liner @ 13,130'

Spud Date: 6/24/1978
TD Date: 8/29/1978
Compl Date: 9/20/1978

CASING DETAIL

Depth	Size	Weight	Grade	Hole
478'	16"	65#	H-40	26"
3100'	10-3/4"	40.5#	K-55	12-1/4"
9959'	7-5/8"	33.7, 29.7, 26.4#	S-95	9-1/2"
13,130'	4-1/2"	14.98#	P-110	6-1/2"

ROD & TUBING DETAIL (from 3/2/2013 Range Well Report)

Rod Detail :	Tubing Detail :
1-1/2" x 22' SMPR	190---2-7/8 J-55 Tubing abv TAC
1------7/8 pony rod	TAC---7-5/8" x 2-1/2"
87----7/8 sucker rods	8---2-7/8" J-55 Tubing blw TAC
161---3/4 sucker rods	2-1/2" Seating Nipple
2-1/2" x 1-1/2" x 20' RHBC	3-1/2" x 40' MHMA
1-1/4" x 10' Gas Anchor	

Pardue Perforations — Frac'd in '02
4756' - 4772'
4776' - 4780' 102 total
4787' - 4798' holes
4808' - 4824'

DV Tool @ 5281'
"AA","A", & "B" Perfs — Frac'd in '07
5722' - 5739' - 102 holes
5828' - 5844' - 96 holes
5858' - 5870' - 72 holes
5904' - 5940' - 216 holes
6000' - 6026' - 216 holes

Brushy Canyon "C" & "D" — Frac'd in '90
6114' - 6124' - 20 holes
6134' - 6144' - 20 holes
6168' - 6176' - 16 holes

CIBP @ 6348' w/ 20' cmt
DV Tool @ 7584'

CIBP @ 9100' w/ 20' cmt
Top of Liner @ 9192'

Atoka
11,486' - 11,493' - 17 holes
11,756' - 11,764' - 19 holes

PBTD = 6328'
Orig PBTD = 13,000'
TD = 13,130'

NOTES: Red items have no documentation in NMOCD records, but are shown on Vanguard & RockCliff WBDs.

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 UNIT 2
Loving East: API #30-015-22591
Eddy County, NM
J-14-23S-28E 1722' FSL, 2032' FEL
CURRENT COMPLETION (Last updated by Y. Li & RJ DeBruin, 7/21/2019)

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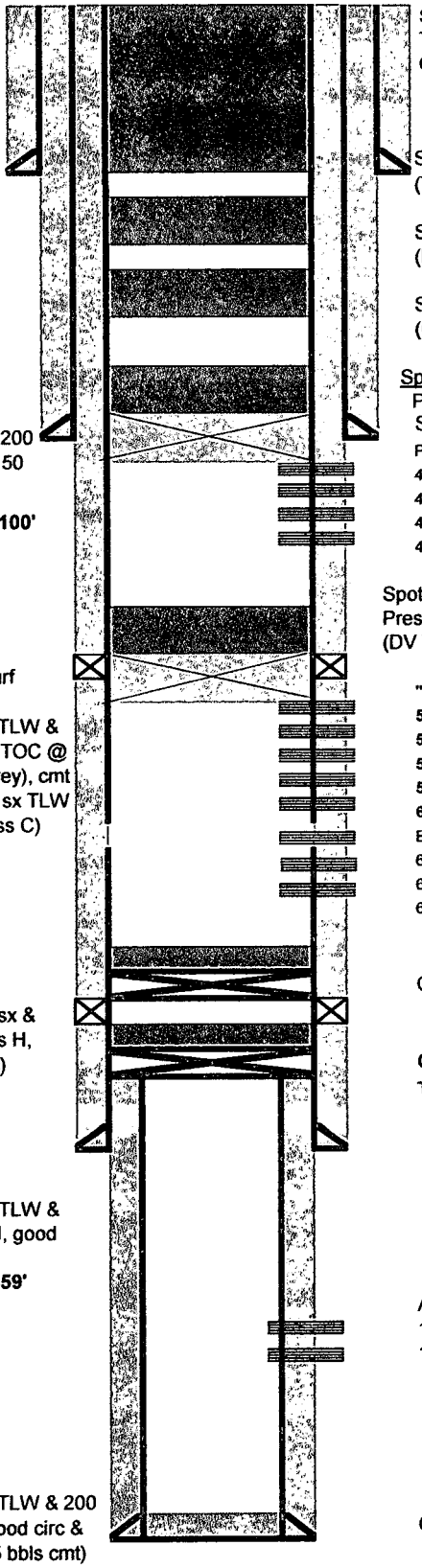

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(cmt w/ 175 sx & 100 sx Class H, good circ)

Stage 1
(cmt w/ 125 sx TLW & 200 sx Class H, good circ)
7-5/8" csg @ 9959'

(cmt w/ 400 sx TLW & 200 sx Class H, good circ & reverse out 15 bbls cmt)
4-1/2" liner @ 13,130'

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(T Salt,WB, Shoe)

Spot 95 sx of Class C CMT f/ 2703' to 2296'
(B Salt, Lamar Salt, Bell Canyon)

Spot 40 sx of Class C CMT f/ 3496' to 3322'
(Cherry Canyon)

Spot 40 sx of Class C CMT f/ 4700' to 4526'
Pressure Test @ 1000 psi for 10 minutes
Set CIBP @ 4700'
Pardue Perforations
4756' - 4772'
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Pressure Test @ 1000 psi for 10 minutes
(DV Tool) Set CIBP @ 5700
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NOTES: **Red items have no documentation in NMOCD records, but are shown on Vanguard & RockCliff WBDs.**

Well	SOUTH CULEBRA BLUFF UNIT #002
API10	3001522591
Group	2 (CTB)
Formation Top; Depth (MD)	**Depth (MD)**
T Salt	520 (est.)
B Salt	2408
Lamar LS	2624
Bell Canyon	2653
Cherry Canyon	3446
Brushy Canyon	4757
Bone Spring	6200
1st Bone Spring	7278
2nd Bone Spring	8037
3rd Bone Spring	9260
Wolfcamp	9539
Strawn	11432
Atoka	11640
Morrow	12229
Mississippian	13037
** none of these wells penetrate Capitan Reef**	

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

CONDITIONS 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 II at (575)-748-1283 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 REQUIRMENTS

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