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 July 18, 2013

WELL API NO. 30-025-03837

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: LOVINGTON SAN ANDRES UNIT

1. Type of Well: Oil Well ☐ Gas Well ☐ Other INJECTOR

8. Well Number: 031

2. Name of Operator: CHEVRON MIDCONTINENT, L.P.

9. OGRID Number: 241333

3. Address of Operator: 6301 Deauville BLVD, Midland TX 79706

10. Pool name or Wildcat: [40580] LOVINGTON, GRAYBURG-SAN ANDRES

4. Well Location
Unit Letter C : 660 feet from the NORTH line and 1980 feet from the WEST line
Section 01 Township 17S Range 36E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

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.

Move in, rig up. Pressure test tubing. If tubing test passes, plan to squeeze 25 sacks Class C cement below packer. If tubing fails, plan to pull packer and set CIBP. Once primary barrier is established, proceed with the following.
Pressure test primary barrier.
Spot 30 sacks Class C cement from 4510' to 4210'. Injection zone, San Andres, Grayburg.
Spot 68 sacks Class C cement from 3881' to 3200'. Queen, Seven Rivers
Perforate & squeeze 120 sacks Class C cement from 2158' to 1658'. Salt, Rustler, 8-5/8" shoe
WOC, tag, pressure test. Conduct bubble test. If test passes, proceed to next job step. If test fails, plan to cut & pull 5-1/2" csg from 650'. Spot cement stub plug from 50' inside stub to minimum of 100' above stub. WOC, tag, pressure test. Adjust cement volumes for surface plug after cut & pull.
Assumes casing was not cut & pulled: perforate 5-1/2" & circ 82 sacks Class C cement from 341' to 0'. 13" shoe, surface isolation.

4" diameter 4' tall Above Ground Marker

Spud Date: | Rig Release Date: SEE ATTACHED CONDITIONS OF APPROVAL

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

SIGNATURE Hayes Thibodeaux TITLE Engineer DATE 12/20/2022

Type or print name Hayes Thibodeaux E-mail address: Hayes.Thibodeaux@chevron.com PHONE: 281-726-9683

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 12/20/22

Conditions of Approval (if any):

575-263-6633

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, WOC 4 hours and tag, this plug will be 5O' 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 5O' 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 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

Well Name: Lovington San Andres Unit 031

API: 30-025-03837

Well History: injection well with IPC tubing installed

All cement plugs are based on 1.18 yield for Class H and 1.32 yield for Class C

1. Install casing Riser on intermediate and surface casing.
    a. Follow the MCBU Ground Disturbance OE Standard before starting any excavations (One Call, Dig Plan)
    b. Paint the casing valves as follow

        Production: Blue

        Intermediate: White

        Surface: Yellow

2. Call and notify NMOCD 24 hrs. before operations begin.
3. MIRU pulling unit.
    a. intrinsically safe fans and H2S scavenger required due to known H2S in the field.
4. Check well pressures, kill well as necessary following The Chevron Initial Well Kill Operating Guidelines.
    a. Bubble test should be at least 30 minutes and follow the bubble test SOP. On all casing annuli, if bubble test fails Chevron intends to 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.
    b. Bubble tests should occur each morning, critical times are prior to pumping upper hydrocarbon plug or pumping cement to surface.
    c. Perform a final bubble test after cement has hardened at surface.
5. N/U BOPE using rubber coated hangers provided by Chevron, and pressure test to 250 psi low and 1,000 psi or MASP (per Chevron operating guidelines) for 5 minutes each.
    a. Contact engineer if unable to release packer, do not shear or unset Packer without the BOP N/U first to mitigate any risks of well control events.
6. Fill casing above packer and attempt to pressure test casing/tubing to at least 1,000 psi for 15 minutes or the highest pressure expected while plugging the well.
    a. If test passes, can utilize tubing for work string.
    b. Sunset Well Services has frequently opted to bullhead cement below packer to assist in killing well. If this is selected as path forward, plan to spot cement plug #1 per C-103 above the packer once released.
    c. If test fails, pick up a work string provided by Chevron.
7. Plan to lay down IPC tubing and utilize workstring for subsequent plugging operations.
    a. If packer will not release contact engineer about other means to pull and lay down packer. (come off the ON/OFF Tool or Cut tubing above packer)
    b. If tubing or packer is stuck contact Engineer for plan forward.
    c. If tubing collars are dragging out of the hole, SWA and contact engineer, potential casing damage.

8. If cement was squeezed below the packer to isolate the injection zone, skip the job steps regarding setting CIBP and proceed to spotting cement on top of CIBP, proceed per C-103F.
9. MIRU wireline and lubricator.
10. Pressure test lubricator to 500 psi or MASP (whichever is larger) for 10 minutes.
    a. If MASP is greater than 1,000 psi, contact the engineer to discuss running grease injection.
11. Run and set CIBP per approved C-103
    a. Skip gauge run if Packer pulled freely past setting depth.
12. Fill well with fresh water and pressure test casing to 1,000 psi for 15 minutes.
    a. Contact the engineer if pressure test fails, record pressure test results.
13. TIH and tag CIBP.
14. Spot MLF, subtracting cement volumes. Do not place MLF until casing pressure tests or above first Perf and Squeezes. If casing pressure test failed in step 13., Chevron requires all casing holes/damage to be covered with cement.
15. If not previously conducted, plan to pressure test mechanical barrier (or cement squeezed below packer)
16. Spot 30 sacks Class C cement from 4510' to 4210'.
17. Spot 68 sacks Class C cement from 3881' to 3200'.
18. Perforate & squeeze 120 sacks Class C cement from 2158' to 1658'. WOC, tag, pressure test.
19. Perform 30-minute bubble test on surface and production casings. Record results to meet the barrier standard intent. If bubble test fails:
    a. Perforate at 650'. If outer string is leaking aim for 350' below the surface shoe, whichever is deeper. Adjust depth as necessary on a well-by-well basis. Factor in bubble test failure rate, etc. into the decision.
    b. If well circulates, document well as casing cut/pull candidate in Projected Operations in WellView. Discuss with superintendent if casing cut/pull operations will immediately take place or if well should be suspended temporarily until a queue of cut & pull candidates is built
    c. If well does not circulate, plan to spot 25 sacks of cement from 750' to 500' and R/D.
        i. Projected operations if well does not circulate: plan to run CBL (offline)
    d. If casing is cut & pulled, a stub plug ranging from 50’ below the stub to minimum of 100’ above the stub must be spotted. WOC, tag, pressure test.
20. Proceed to next job step only after confirming a passing bubble test on all strings
21. Perforate & squeeze 82 sacks Class C cement from 341' to 0'
22. Verify cement returns to surface
23. 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.

CURRENT WELLBORE DIAGRAM

LSAU 31

Created:	8/25/2008	**By:**	da Silva	**Field:**	Lovington
Updated:		**By:**		**Well No.:**	31
Lease:	Lovington San Andres			**Twp/Rng:**	17S 36E
Surf Location:	660' FNL & 1980' FWL	**CHEVNO:**	FA4984	**Unit Ltr & Section:**	C/1
BH Location:				**API:**	30-025-03837
County:	Lea	**KB:**	3846'	**Original Spud Date:**	11/4/1939
Current Status:	Active Water Injector	**DF:**	3845'	**Original Compl. Date:**	12/22/1939
State:	NM	**GL:**	3834'	**Formation:**	Grayburg/San Andres

Surface Csg.

Size:	13"
Wt.:	50#/ft
Set @:	291'
Sxs cmt:	200
Circ:	YES
TOC:	Surface
Hole Size:	15"

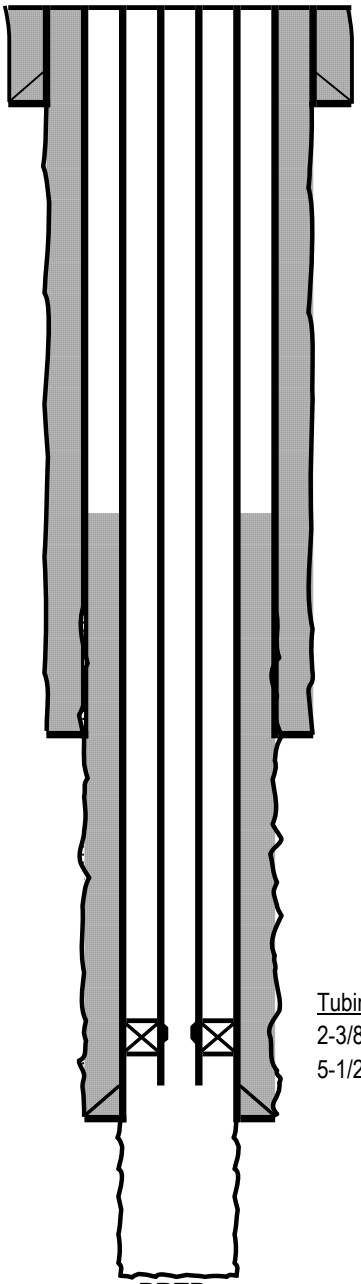
Intermediate Csg.

Size:	8-5/8"
Wt.:	28#/ft
Set @:	3109'
Sxs Cmt:	500
Circ:	No
TOC:	2021', Calc
Hole Size:	9-7/8"

Production Csg.

Size:	5-1/2"
Wt.:	17#
Set @:	4541'
Sxs Cmt:	325
Circ:	No
TOC:	2890' (calc)
Hole Size:	7-7/8"

Open Hole:	4541-5125'
Size:	4-3/4"



Tubing String Details:
2-3/8" IPC tbg
5-1/2" Lok-Set Packer set at 4510'

PBTD:
TD: 5125'

Proposed
WELLBORE DIAGRAM
LSAU 31

Created:	8/25/2008	**By:**	da Silva	**Field:**	Lovington
Updated:		**By:**		**Well No.:**	31
Lease:	Lovington San Andres			**Twp/Rng:**	17S 36E
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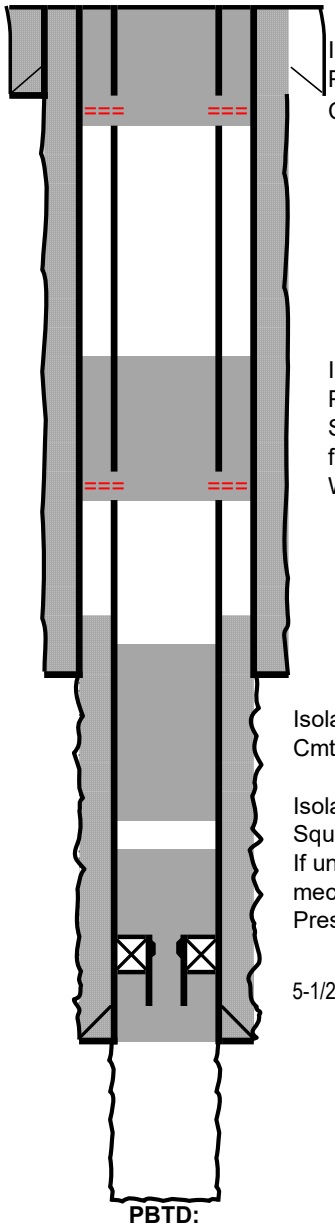
Circ:	No
TOC:	surface, Calc
Hole Size:	9-7/8"

Production Csg.

Size:	5-1/2"
Wt.:	17#
Set @:	4541'
Sxs Cmt:	325
Circ:	No
TOC:	2890' (calc)
Hole Size:	7-7/8"

Open Hole:	4541-5125'
Size:	4-3/4"

Rustler	2,015
Salt	2,108
Tansil	2,914
Seven Rivers	3,302
Queen	3,881
Grayburg	4,322
San Andres	4,596
TD	5,125



Isolate 13" shoe, surface plug
Perforate at 341'
Circulate cement to surface

Isolate Salt, Rustler
Perforate at 2158'
Squeeze 500' inside & out
from 2158' to 1658'
WOC, tag, pressure test

Isolate Queen, Seven Rivers
Cmt from 3881' to 3200'

Isolate injection zone, S.A., Grayburg
Squeeze 25 sacks Class C if possible
If unable to squeeze below packer, set
mech. Barrier at 4510' and spot per C-103F
Pressure test to 500 psi for 15 min.

5-1/2" Lok-Set Packer set at 4510'

PBTD:
TD: 5125'

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 168623

COMMENTS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 168623
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

COMMENTS

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM.	12/20/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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CONDITIONS

Action 168623

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 168623
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	See attached COA	12/20/2022