

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 ResourcesOIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505Form C-103  
Revised August 1, 2011

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.)		WELL API NO. 30-025-30963
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 checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Chevron Midcontinent L.P.		6. State Oil & Gas Lease No.
3. Address of Operator 6301 DEAUVILLE BLVD., MIDLAND, TX 79706		7. Lease Name or Unit Agreement Name West Lovington Unit
4. Well Location Unit Letter <u>C</u> : <u>1300</u> feet from the <u>North</u> line and <u>1350</u> feet from the <u>West</u> line Section <u>4</u> Township <u>17S</u> Range <u>36E</u> NMPM County <u>Lea</u>		8. Well Number: 71
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,891' GL, 3,907' KB		9. OGRID Number 241333
		10. Pool name or Wildcat Lovington San Andres West

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> <b>PLUG AND ABANDON</b> <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"/>		<b>SUBSEQUENT REPORT OF:</b> 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.

## 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. MIRU pulling unit.
3. 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 a final bubble test after cement has hardened at surface.
4. N/U BOPE and pressure test as per SOP.
  - a. 250 psi low and 500 psi or MASP high (whichever is larger) for 5 minutes each on a chart with zero bleed off noted.
5. Release TAC, pull tubing, and lay down.
6. MIRU wireline and lubricator.
7. 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.
8. Run gauge ring to 4,905'.
9. Run and set CIBP at 4,900'.
10. Fill well with fresh water and pressure test casing to 1,000 psi for 15 minutes.
  - a. Contact the engineer if pressure test fails, not pressure test results in WellView.

11. RDMO pulling unit.
  - a. Ensure well is left with proper equipment on top of flange for the CTU to easily rig up and being operations.
12. MIRU CTU.
13. TIH and tag CIBP at 4,900'.
14. Spot MLF, subtracting cement volumes. Do not place MLF until casing pressure tests or above first P&S.
15. Spot 60 sx CL "C" cement f/ 4,900' t/ 4,306' (Perfs, San Andres, Grayburg).
  - a. TOC must be at 4,353' or shallower.
  - b. Discuss with NMOCD on waiving WOC and tag if casing passed a pressure test.
16. Spot 25 sx CL "C" cement f/ 3,140' t/ 2,893' (Yates).
  - a. TOC must be at 3,040' or shallower.
17. Perforate at 2,140' and squeeze 55 sx CL "C" cement f/ 2,140' t/ 1,903', WOC and tag (Salt).
  - a. TOC must be at 1,936' or shallower.
18. Perforate at 415' and squeeze 105 sx CL "C" cement f/ 415' t/ 0' (Shoe, FW).
  - a. Deepest freshwater zone in the area is ~83'.
19. Cut all casings & anchors & remove 3' below grade. Verify cement to surface & weld on dry hole marker (4" diameter, 4' tall). Clean location.

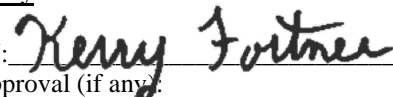
Note: All cement plugs class "C" (<7,500') or "H" (>7,500') with closed loop system used, and MLF spotted between plugs.

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

SIGNATURE  TITLE P&A Engineer, Attorney in fact DATE 11/11/2020

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

**For State Use Only**

APPROVED BY:  TITLE Compliance Officer A DATE 11/13/20  
Conditions of Approval (if any):

**See Attached  
Conditions of Approval**

**WELLBORE DIAGRAM**  
**WLU 71**

Created: 04/08/13 By: RRW  
 Updated: By:  
 Lease: West Lovington Unit  
 Field: West Lovington Upper San Andres  
 Surf. Loc.: 1300' FNL & 1350' FWL  
 Bot. Loc.:  
 County: Lea St.: NM  
 Status: Producing Well

Well #: 71 St. Lse:  
 API 30-025-30963  
 Unit Ltr.: C Section: 4  
 TSHP/Rng: 17S / 36E  
 Pool Code: OGRID:  
 Directions: Lovington, NM  
 Chevno: OM1994

**Surface Casing**

Size: 8 5/8"  
 Wt., Grd.: 24#  
 Depth: 365'  
 Sxs Cmt: 275  
 Circulate: Yes  
 TOC: Surface  
 Hole Size: 12-1/4"

KB: 3,907'  
 DF:  
 GL: 3,891'  
 Spud: 10/27/90  
 Completion: 12/04/90

**Production Casing**

Size: 5 1/2"  
 Wt., Grd.: 15.5#  
 Depth: 5256'  
 Sxs Cmt: 760  
 Circulate: No  
 TOC: 2800' - CBL  
 Hole Size: 7 7/8"

**Initial Completion:**

Acidize w/ 920 gals 15%  
 Acidize w/ 3825 gals 20%

**4/15/96:**

Spot 1000g 15% NEFE across perfs

**Detailed Perfs**

22 gram, 2 JSPF, 180 Degree  
 4963-66, 77-81, 86-88, 91-94  
 5001-05, 12-15, 22-28, 34-37,  
 68-71, 85-89

TOC @ 2800'

**BHA**

Tubing 2-7/8" J-55 156 Jts  
 TAC +/- 4,680'  
 Tubing 2-7/8" J-55 2 Jts  
 SN +/- 4,740'  
 Perf Mud Anchor

2-7/8" Tubing

TAC @ +/- 4,680' (156 jts)

SN @ +/- 4,740' (158 Jts)

Perfs: 4963' - 5089'

1" FG 62 Rods  
 7/8" Steel 95 Rods  
 7/8" Shear Tool 26K Shear Tool  
 7/8" 2' Sub  
 2-1/2" X 1-3/4" X 20' RHBC Pmp (2 Stg HVR)

PBTD: 5165'  
 TD: 5261'

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 Sxs Cmt: 760  
 Circulate: No  
 TOC: 2800' - CBL  
 Hole Size: 7 7/8"

4 Perf at 415' and squeeze  
 105 sx Class C Cement:  
 415'-0'

3 Perf at 2140' and squeeze  
 55 sx Class C Cement:  
 2140'-1903'  
 Min: 1936'

2 Spot 25 sx Class C Cement:  
 3140'-2893'  
 Min: 3040'

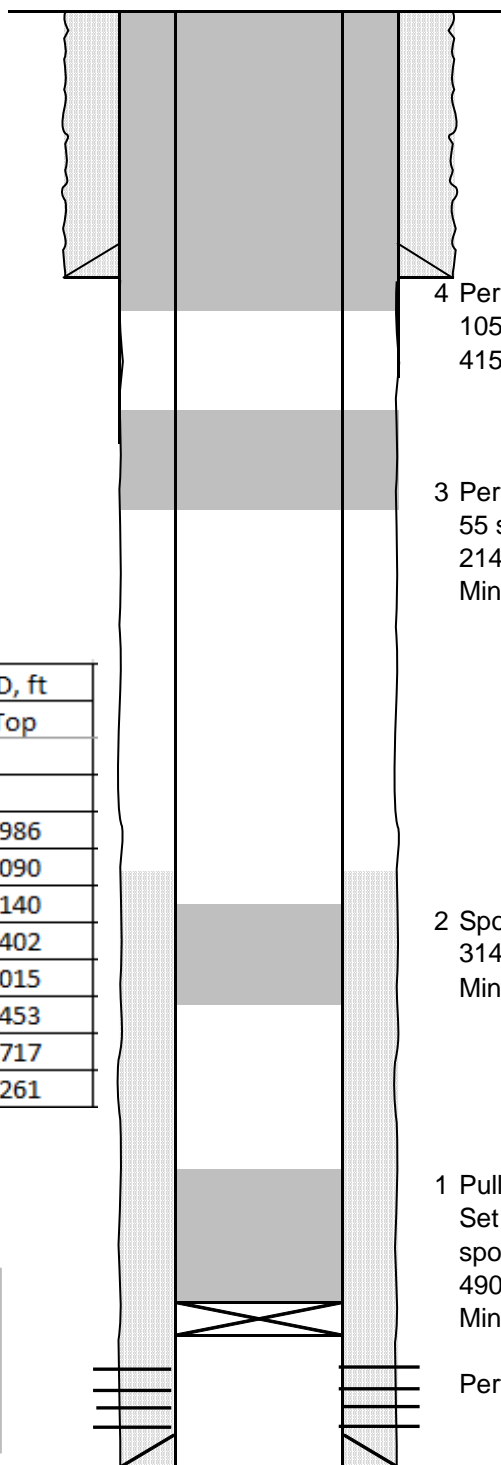
1 Pull tubing and rods  
 Set CIBP at 4900' and  
 spot 60 sx Class C Cement:  
 4900'-4306'  
 Min: 4353'

Perfs: 4963' - 5089'

Formation Name	TD, ft
	Top
Rustler	1986
Salt	2090
Yates	3140
Seven Rivers	3402
Queen	4015
Grayburg	4453
San Andres	4717
TD	5261

**Detailed Perfs**

22 gram, 2 JSPF, 180 Degree  
 4963-66, 77-81, 86-88, 91-94  
 5001-05, 12-15, 22-28, 34-37,  
 68-71, 85-89



PBTD: 5165'  
 TD: 5261'

**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**