

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. 30-025-31070
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Langley Boren
8. Well Number: 3
9. OGRID Number 4323
10. Pool name or Wildcat Langley Strawn

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN. SEND BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-107) FOR SUCH PROPOSALS.)

**HOBBS OGD**  
**SEP 11 2020**  
**RECEIVED**

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
Chevron U.S.A. Inc.

3. Address of Operator  
6301 DEAUVILLE BLVD., MIDLAND, TX 79706

4. Well Location  
 Unit Letter B : 660 feet from the North line and 1650 feet from the East line  
 Section 20 Township 22S Range 36E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3557' GL

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
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"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	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. 13-3/8" @ 390' TOC Surface, 8-5/8" @ 4,000' TOC Surface. 5-1/2" @ 9,800', Perforations: 9,692'-9,422', CIBP at 9,400', 9,373'-9,324', 9,030'-9,275'.

**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 single pulling unit.
3. Pull rods.
4. N/U BOPE and pressure test as per SOP.
5. Pull and laydown tubing.
6. R/U wireline, pressure test lubricator to 500 psi for 10 minutes.
  - a. No need to run gauge if TAC pulled freely.
7. Set CIBP at 8,980'.
8. RDMO.
9. Pressure test casing to 500 psi for 15 minutes rig-less (or maximum anticipated pressure).
  - a. If pressure test fails, contact engineer.
10. MIRU CTU.
11. 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 final bubble test after cement has hardened.
12. N/U BOP and pressure test as per SOP.

**See Attached  
 Conditions of Approval**

a. 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.

13. TIH and tag CIBP cement cap at 8,980'.

14. Spot MLF, subtracting cement volumes. Do not place MLF until casing pressure tests.

15. Spot 25 sx CL "H" cement f/ 8,980' t/ 8,754' (Wolfcamp, perms).

a. TOC must be at 8,800' or shallower.

b. Discuss with NMOCD on waiving WOC and tag if casing passed a pressure test.

16. Spot 30 sx CL "C" cement f/ 6,226' t/ 5,923' (DV Tool, Glorieta).

a. TOC must be at 5,940' or shallower.

17. Spot 95 sx CL "C" cement f/ 4,630' t/ 3,669' (San Andres, Grayburg).

a. TOC must be at 3,730' or shallower.

18. Spot 25 sx CL "C" cement f/ 3,121' t/ 2,868' (Yates, B.Salt).

a. TOC must be at 3,002' or shallower.

19. Spot 155 sx CL "C" cement f/ 1,553' t/ Surface (T.Salt, Shoe, FW).

a. Deepest freshwater zone in the area is ~484'.

20. 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 09/01/2020

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

**For State Use Only**

APPROVED BY:  TITLE CO DATE 9-11-20

Conditions of Approval (if any):

Well: **Langley Boren #3**

Field: **Langley**

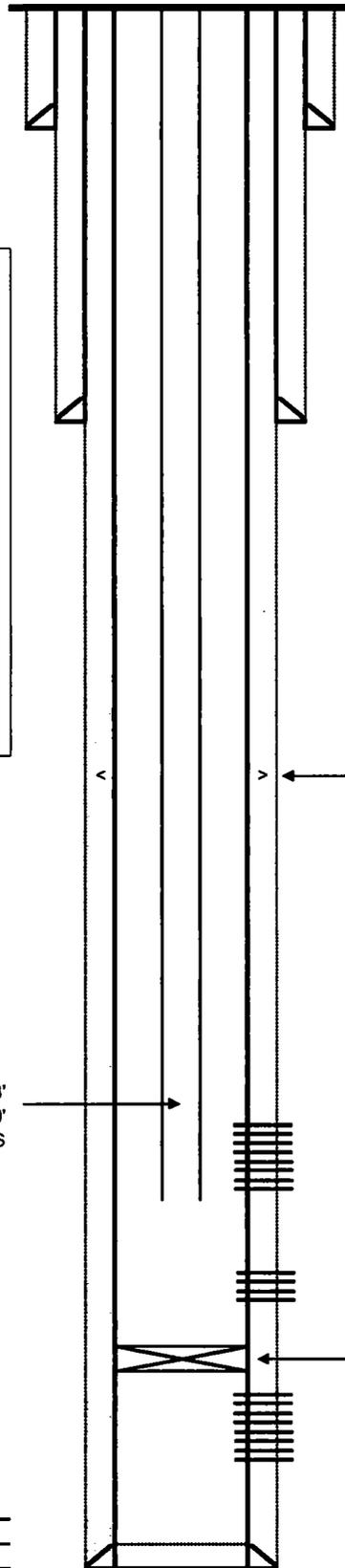
Reservoir: **Strawn**

**Location:**  
 660' FNL & 1650' FEL  
 Section: 20  
 Township: 22S  
 Range: 36E  
 County: Lea State: NM

**Elevations:**  
 GL: 3557'  
 KB:  
 DF:

1/18/91 - Spud well.  
 1/24/91 - TD'd 12-1/4" hole @ 4000', stuck drill pipe, back off & fish w/o success. TOF @ 3670', BOF @ 3750'. Spot 325sx cl 'H' f/ 3420-3670', WOC. DO f/ 3276-3351'. KOP @ 3351' w/ 12-1/4" bit and TD @ 4000'.  
 3/27/91 - Complete well to Strawn (9754' PBTD, 9800' TD). Perf'd f/ 9422-9692' (stim'd w/ 1500 gals acid), 9324-9373' (stim'd w/ 2600 gals acid) & 9030-9275' (stim'd w/ 1600 gals acid). Set CIBP @ 9400', isolating bottom set of perforations.  
 9/25/91 - Set BP in seal connector @ 9308'. RIH w/ shifting tool to 5000', pump 25 bbls wtr in tbg, FIH & shift sliding sleeve @ 9296' to open Strawn perms 9030-9275' to production. Pull blanking plug. Strawn perms open to production f/ 9030-9275' & 9324-9373'.  
 6/12/92 - Convert from flowing to artificial lift.

**Current Wellbore Diagram**



**Well ID Info:**  
 Chevno: KZ8825  
 API No: 30-025-31070  
 Spud Date: 1/18/91  
 TD Date: 2/18/91  
 Compl. Date: 3/27/91

**Surf. Csg:** 13 3/8" 54.5#  
**Set:** @ 390' w/425 sx cl 'C' cmt  
**Hole Size:** 17-1/2"  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulated

**Interm. Csg:** 8-5/8" 28#  
**Set:** @ 4000' w/ 2300 sx cl 'C' cmt  
**Hole Size:** 12-1/4"  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulated

Formation Name	TD, ft
	Top
Rustler	1,358
Salt Top	1,503
Salt Bottom	3,052
Yates	3,121
Seven Rivers	3,310
Queen	3,695
Grayburg	3,830
San Andres	4,630
Glorieta	6,040
Paddock	6,080
Blinbery	6,655
Tubb	6,973
Drinkard	7,422
Abo	7,886
Wolfcamp	8,900
Strawn	9,024
TD	9,800

2-7/8" tbg - EOT @ 9278'  
 rod pump @ 9220'  
 SEE TUBULARS TAB FOR DETAILS

9030-9275' Strawn Perfs - Open  
 9324-9373' Strawn Perfs - Open  
 CIBP @ 9400' (no report of cmt cap)  
 9422-9692' Strawn Perfs - Plugged

**COTD:** 9400'  
**PBTD:** 9754'  
**TD:** 9800'

**Prod. Csg:** 5-1/2" 17#  
**Set:** @ 9800' w/ 1400 sx cl 'H' cmt  
**Hole Size:** 7-7/8"  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulation

Well: **Langley Boren #3**

Field: **Langley**

Reservoir: **Strawn**

**Location:**  
 660' FNL & 1650' FEL  
 Section: 20  
 Township: 22S  
 Range: 36E  
 County: Lea State: NM

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 GL: 3557'  
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1/18/91 - Spud well.

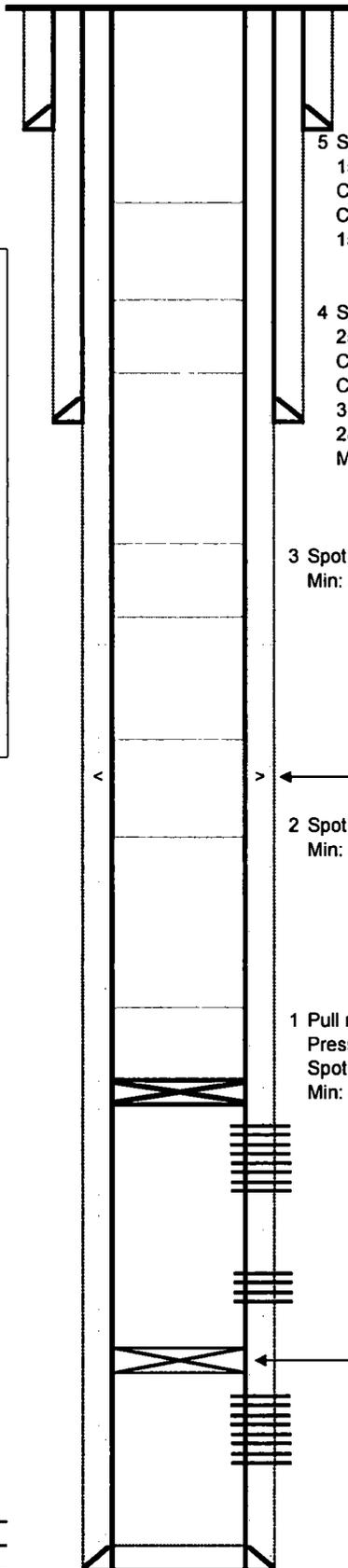
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3/27/91 - Complete well to Strawn (9754' PBTD, 9800' TD). Perf'd f/ 9422-9692' (stim'd w/ 1500 gals acid), 9324-9373' (stim'd w/ 2600 gals acid) & 9030-9275' (stim'd w/ 1600 gals acid). Set CIBP @ 9400', isolating bottom set of perforations.

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6/12/92 - Convert from flowing to artificial lift.

**Proposed Wellbore Diagram**



**Well ID Info:**  
 Chevno: KZ8825  
 API No: 30-025-31070  
 Spud Date: 1/18/91  
 TD Date: 2/18/91  
 Compl. Date: 3/27/91

**Surf. Csg:** 13 3/8" 54.5#  
**Set:** @ 390' w/425 sx cl 'C' cmt  
**Hole Size:** 17-1/2"  
**Circ:** Yes **TOC:** Surface  
**Cement:** **TOC By:** Circulated  
 1553'-0'

**5 Spot**  
 155 sx  
 Class C  
**Cement:**  
 1553'-0'

**4 Spot Interm. Csg:** 8-5/8" 28#  
**Set:** @ 4000' w/ 2300 sx cl 'C' cmt  
**Hole Size:** 12-1/4"  
**Circ:** Yes **TOC:** Surface  
**Cement:** **TOC By:** Circulated  
 3121'-2868'  
 Min: 3021'

**3 Spot 95 sx Class C cement:** 4630'-3669'  
 Min: 3730'

← DV Tool @ 6176'

**2 Spot 30 sx Class C cement:** 6226'-5923'  
 Min: 5,940'

**1 Pull rods and tubing, set CIBP at 8980'**  
 Pressure test casing to 500 psi for 15 minutes  
 Spot 25 sx Class H cement: 8980'-8754'  
 Min: 8800'

9030-9275' Strawn Perfs - Open

9324-9373' Strawn Perfs - Open

← CIBP @ 9400' (no report of cmt cap)

9422-9692' Strawn Perfs - Plugged

**Prod. Csg:** 5-1/2" 17#  
**Set:** @ 9800' w/ 1400 sx cl 'H' cmt  
**Hole Size:** 7-7/8"  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulation

Formation Name	TD, ft
	Top
Rustler	1,358
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Yates	3,121
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Abo	7,886
Wolfcamp	8,900
Strawn	9,024
TD	9,800

**COTD:** 9400'  
**PBTD:** 9754'  
**TD:** 9800'

**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 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 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**