

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

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. 30-025-06940
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input checked="" 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 W.T. McComack
4. Well Location Unit Letter <u>A</u> : <u>554</u> feet from the <u>North</u> and <u>554</u> feet from the <u>East</u> line Section <u>32</u> Township <u>21S</u> Range <u>37E</u> NMPM County <u>Lea</u>		8. Well Number: <u>11</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3,473' GL, 3,484' KB</u>		9. OGRID Number <u>4323</u>
		10. Pool name or Wildcat McComack Silurian

HOBBS OCD  
 APR 22 2020  
 RECEIVED

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <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"/>		SUBSEQUENT REPORT OF: 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. 13-3/8" @ 318' TOC Surface, 9-5/8" @ 2,850' TOC 1,690' via Temp Survey, 7" @ 7,270' TOC 3,865' via Temp Survey. Perforations: 7,132'-7,160'.

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

1. Call and notify NMOCD 24 hrs before operations begin.
2. MIRU pulling unit.
3. Pressure test tubing t/ 1,000 psi for 15 minutes (or highest expected pressure during job).
4. 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.
5. R/U wireline, perforate tubing above ESP to allow for drainage.
  - a. Dropping a bar in drain sub is another option, but risk is increased of the bar getting stuck high. Contact engineer to discuss prior to making this decision.
6. N/U BOP and pressure test as per SOP.
  - a. 250 psi low, MASP or 1,000 psi (or highest expected pressure during job) for 5 minutes each (whichever is higher).
7. R/U cable spooler.
  - a. Verify three-part communication is established between rig crew and spool operator.
8. TOH, standing back tubing.
  - a. Discuss with engineer testing TIH if tubing failed a pressure test.
9. R/U wireline, pressure test lubricator t/ 500 psi for 10 minutes, run gauge ring, set CIBP at 7,100'.
10. TIH w/ tubing and tag CIBP.
  - a. Fill well with freshwater while TIH.
11. Pressure test casing t/ 1,000 psi for 15 minutes (or highest expected pressure during job).
  - a. Discuss with NMOCD about waiving tags if casing passed a pressure test.

See Attached  
 Conditions of App...

12. Spot MLF, subtracting cement volumes. Do not place MLF until casing pressure tests. Do not place MLF above the first P&S.
13. Spot 170 sx CL "H" cement f/ 7,100' t/ 6,270' (Perfs, Abo, Drinkard).
  - a. TOC must be at 6,296' or shallower.
14. Spot MLF, subtracting cement volumes. Do not place MLF until casing pressure tests. Do not place MLF above the first P&S.
15. Spot 165 sx CL "C" cement f/ 5,950' t/ 4,965' (Blinberry, Paddock, Glorieta).
  - a. TOC must be at 5,003' or shallower.
16. Spot 30 sx CL "C" cement f/ 3,974' t/ 3,795' (San Andres).
  - a. TOC must be at 3,824' or shallower.
17. Perforate at 3,411' and squeeze 185 sx CL "C" cement f/ 2,758' t/ 3,411' (Queen, 7 Rivers, Shoe).
  - a. TOC must be at 2,800' or shallower.
18. Perforate at 2,544' and squeeze 175 sx CL "C" cement f/ 1,948' t/ 2,544', WOC & tag (Yates, B.Salt).
  - a. Prior to pumping this plug, allow ~2 hours for previous cement to gel to prevent squeezing into previous perforations.
  - b. TOC must be at 1,994' or shallower via Chevron Barrier Standard.
19. Pressure test t/ 1,000 psi f/ 15 minutes (or highest expected pressure for the job).
20. Perforate at 1,391' and squeeze 75 sx CL "C" cement f/ 1,250' t/ 1,391' (T.Salt).
  - a. Utilize DP perforation guns to penetrate intermediate casing.
  - b. TOC must be at 1,291' or shallower.
21. Perforate at 368' and squeeze 220 sx CL "C" cement f/ Surface t/ 368' (FW, Shoe).
  - a. Utilize DP perforation guns to penetrate intermediate casing.
  - b. Prior to pumping this plug, allow ~2 hours for previous cement to gel to prevent squeezing into previous perforations.
  - c. Deepest freshwater zone in the area is ~108'.
22. 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 *ML* TITLE P&A Engineer, Attorney in fact DATE 03/18/2020

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

**For State Use Only**

APPROVED BY: *Kerry Fort* TITLE *CO* DATE *A 4-24-20*  
 Conditions of Approval (if any):

**See Attached  
Conditions of Approval**

Well: **W. T. McComack # 11S**

Field: **McCormack Silurian**

Reservoir: **Silurian**

**Location:**  
 554' FNL & 554' FEL  
 Section: 32  
 Township: 21S  
 Range: 37E Unit: A  
 County: Lea State: NM

**Elevations:**  
 GL: 3473'  
 KB: 3484'  
 DF: 3483'

8/24/47 - Spud well.

11/24/47 - Complete well. Drilled to Ellenburger (8318' TD), but found to be unproductive. Set 7" csg at base of Silurian @ 7270' (7221' PBD). Perf'd Silurian Fm f/ 7145-60'.

8/22/53 - Load hole w/ 229 bo, acidizeperfs @ 7145-60' through tbg w/ 2000 gals low-tension non-emulsifying 15% acid.

12/7/73 - POOH w/ prod equip. Cleanout to 7221' PBD and treat Silurian perfs @ 7145-60' w/ 1000 gals 15% NE acid.

7/6/94 - POOH w/ rods, pmp & tbg. Set CIBP @ 7088'. Set CIBP @ 6650'. Perf Blinebry Fm f/ 5585-5900' & stim w/ 400 gals 15% NEFE HCl acid. Frac perfs w/ 50,500 gals 40# linear gel w/ 50% CO2 and 122,500# 16/30 Ottawa sd.

5/22/06 - POOH w/ rods, pmp & tbg. Sqz off Blinebry perfs f/ 5585-5900' w/ 500sx Cl H cmt. D/O cmt and 2 CIBP's @ 6650' & 7088'. Add Silurian perfs f/ 7132-42'. Stim w/ 3000 gals 15% HCl acid. TIH w/ sub pmp & tbg.

9/19/08 - Tag junk @ 7153'. Mill & cut over fish to 7165'. Acidize perfs @ 7132-60' w/ 2500 gals 15% HCl. Isolate csg lks between 6856-6888'. Sqz lk w/ 400sx Cl C cmt. D/O cmt to 7100', c/o sand to 7160'.

7/31/19 - Remove old WH & install new. Install new risers.

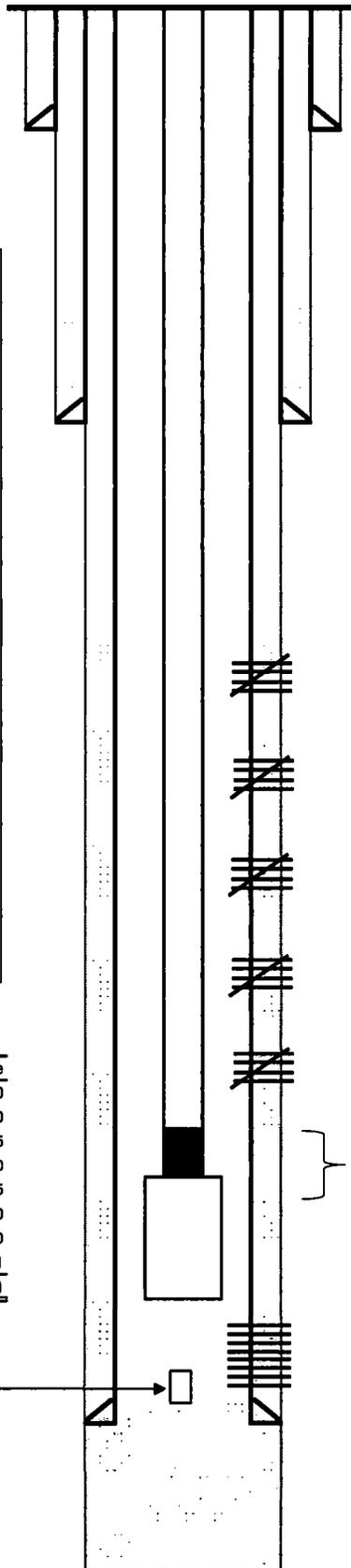
**Tubing Detail:**

#Jts:	Size:	Footage
	KB Correction	11.00
1	Jt 2-7/8" J-55 6.5# Tbg	6.00
219	Jts 2-7/8" J-55 6.5# Tbg	6933.05
	SN	1.10
	Drain Valve	0.65
	2-7/8" Tbg Sub	4.10
	Pump Discharge	0.50
	Centriflgt Sub Pump	92.41
220	Bottom Of Mtr >>	7048.81

**SV @ 7221'**  
 (Went thru SN while tst tbg, presumed on bottom)

**COTD: 7160'**  
**PBD: 7221'**  
**TD: 8318'**

**Current Wellbore Diagram**



**Well ID Info:**  
 API No: 30-025-06940  
 Spud Date: 8/24/47  
 Compl. Date: 11/24/47

**Surf. Csg:** 13 3/8" 48#, SS  
**Set:** @ 318' w/300 sx cmt  
**Hole Size:** 17 1/4"  
**Circ:** Yes **TOC:** Surface  
**TOC By:** Circulated

**Interm. Csg:** 9 5/8" 36#, SS  
**Set:** @ 2850' w/ 1300 sx cmt  
**Hole Size:** 12 1/4"  
**Circ:** No **TOC:** 1690'  
**TOC By:** Temperature Survey

Perfs:	Status
5585'	Blinebry - Cmt Sqzd
5600'	Blinebry - Cmt Sqzd
5628'	Blinebry - Cmt Sqzd
5638'	Blinebry - Cmt Sqzd
5688'	Blinebry - Cmt Sqzd
5710'	Blinebry - Cmt Sqzd
5730'	Blinebry - Cmt Sqzd
5744'	Blinebry - Cmt Sqzd
5805'	Blinebry - Cmt Sqzd
5710'	Blinebry - Cmt Sqzd
5730'	Blinebry - Cmt Sqzd
5744'	Blinebry - Cmt Sqzd
5765'	Blinebry - Cmt Sqzd
5805'	Blinebry - Cmt Sqzd
5828'	Blinebry - Cmt Sqzd
5858'	Blinebry - Cmt Sqzd
5873'	Blinebry - Cmt Sqzd
5892'	Blinebry - Cmt Sqzd
5900'	Blinebry - Cmt Sqzd

Cmt Sqzd Csg Leak @ 6856-7123'

**Prod. Csg:** 7", 23#, J-55  
**Set:** @ 7270' w/ 800 sx cmt  
**Hole Size:** 8 3/4"  
**Circ:** No **TOC:** 3865'  
**TOC By:** Temperature Survey

7132-42' Silurian - Open  
 7145-60' Silurian - Open

Well: **W. T. McComack # 11S**

Field: **McCormack Silurian**

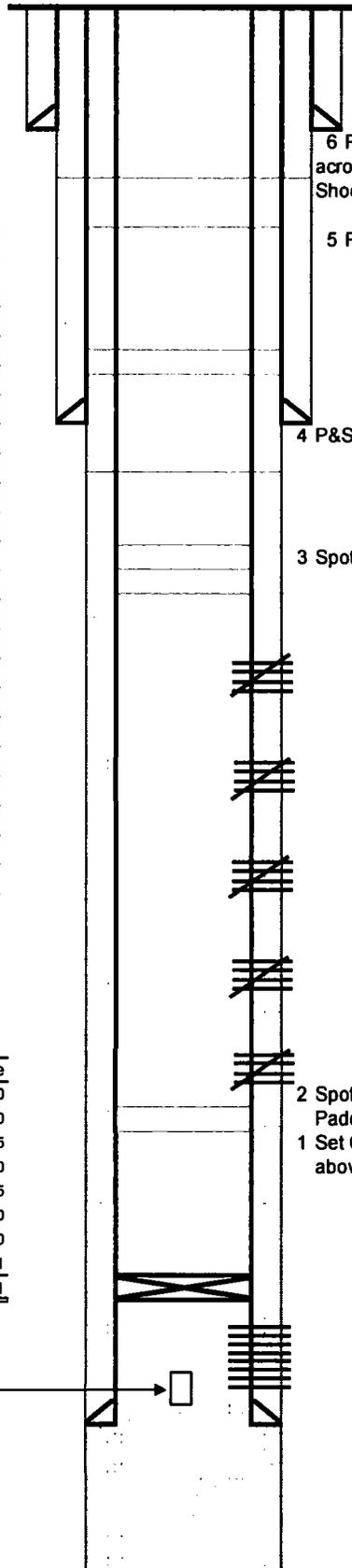
Reservoir: **Silurian**

**Location:**  
 554' FNL & 554' FEL  
 Section: 32  
 Township: 21S  
 Range: 37E Unit: A  
 County: Lea State: NM

**Elevations:**  
 GL: 3473'  
 KB: 3484'  
 DF: 3483'

Formation Name	TD, ft	
		Top
Rustler		1,199
Salt Top		1,341
Salt Bottom		2,389
Yates		2,494
Seven Rivers		2,855
Queen		3,361
Grayburg		3,641
San Andres		3,924
Glorieta		5,053
Paddock		5,204
Blinebry		5,486
Tubb		6,087
Drinkard		6,346
Abo		6,646
Montoya		7,260
Simpson		7,875
McKee		7,910
Ellenburger		8,119
TD		8,318

**Proposed Wellbore Diagram**



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 5 P&S across Yates and B.Salt

**Interm. Csg:** 9 5/8" 36#, SS  
 Set: @ 2850' w/ 1300 sx cmt  
**Hole Size:** 12 1/4"  
 Circ: No **TOC:** 1690'  
**TOC By:** Temperature Survey

4 P&S across Queen, 7 Rivers, Shoe

3 Spot across San Andres

2 Spot across squeezed perms, Blineberry Paddock, Glorieta

1 Set CIBP at 7100', test casing, spot cement above perms, Abo, Drinkard

**Prod. Csg:** 7", 23#, J-55  
 Set: @ 7270' w/ 800 sx cmt  
**Hole Size:** 8 3/4"  
 Circ: No **TOC:** 3865'  
**TOC By:** Temperature Survey

7132-42' Silurian - Open  
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**SV @ 7221'**  
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**COTD:** 7160'  
**PBTD:** 7221'  
**TD:** 8318'

**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**