

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 August 1, 2011

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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. 30-015-32500
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 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 Todd 2 State
4. Well Location Unit Letter <u>A</u> : 660 feet from the <u>RECEIVED</u> line and 660 feet from the <u>EAST</u> line Section <u>2</u> Township <u>24S</u> Range <u>31E</u> NMPM County <u>Eddy</u>		8. Well Number: 13
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3526' GL		9. OGRID Number 4323
		10. Pool name or Wildcat Ingle Wells, Delaware

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
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" 48# @ 685': TOC @ surface; 8 5/8" 32# @ 4480': TOC @ surface; 5 1/2" 17# @ 8547': TOC @ 6170'

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

- Not f, NMOC 24 hrs before MIRU*
- MIRU, NU BOPE, POOH w/ all rods & tubing. *plugging mud*
  - Set CIBP @ 8050', circulate well w/ 9.5 ppg gel KCl water, and pressure test casing @ 500 psi for 10 min.
  - Spot 25 sx CL "H" cement plug f/ 8050' t/ 7850' (Perfs, Bone Springs). *If pressure test in Step 2 was successful, do not WOC. If pressure test in Step 2 was unsuccessful, WOC & tag.*
  - Perf & squeeze 110 sx CL "C" cement f/ 4555' t/ 4132' (Bell Canyon, 8 5/8" Shoe, Lamar, Base of Salt). WOC & tag. *4530'*
  - Perf & squeeze 515 sx CL "C" cement f/ 784' t/ surface (Rustler, 13 3/8" Shoe, WB). *735'*
  - Verify top of cement at surface on all casing strings

Approved for plugging of well bore only.  
Liability under bond is retained pending receipt of C-103 (Subsequent Report of Well Plugging) which may be found at OCD Web Page under Forms, www.cmnr.state.nm.us/oed.

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

\* See ATTACHED COA's *Must be Plugged by 11-27-18*  
SIGNATURE \_\_\_\_\_ TITLE Well Abandonment Engineer DATE 11/27/2017

Type or print name Nick Glann E-mail address: nglann@chevron.com PHONE: 432-687-7786

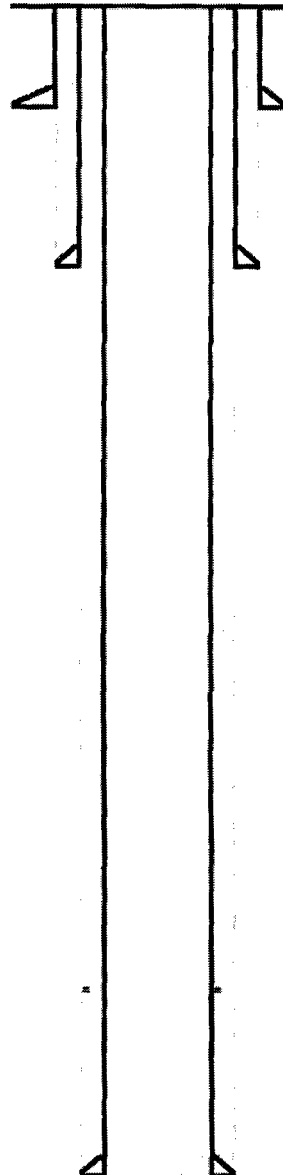
For State Use Only

APPROVED BY: [Signature] TITLE Staff Mgr DATE 11-27-17  
Conditions of Approval (if any):

**CURRENT  
WELLBORE DIAGRAM**

Lease: Todd 2 State      Well No: 13      API: 30-015-3250000      Chev No.: HJ9940  
 Location:      Sec: 2      Blk:      Survey: TS  
 County: Eddy      State: New Mexico      LAT: 32.2518272      LONG: -103.7421646  
 Field: Ingle Wells      WBS:      Cost Center: UCRE71510  
 Directions to Wellsite:

**CURRENT**



GL: 3.526  
 Spud Date: 3/15/2003  
 Comp Date: 04/17/2003

**Surface CASING**

Size: 13 3/8  
 Wt: 48, H-40  
 Set @: 685  
 Sxs cmt: 560 sks  
 Cmt Date: 3/16/03  
 Circ: Yes

**Intermediate CASING**

Size: 8 5/8  
 Wt: 32#, J-55  
 Set @: 4480  
 Sxs Cmt: 1430 sks  
 Cmt Date: 3/22/03  
 Circ: yes  
 Hole Size: 11

**PRODUCTION CASING**

Size: 5 1/2  
 Wt: 17#, N-80  
 Set @: 8457  
 Sxs Cmt: 2400 sks  
 Cmt Date: 3/31/03  
 Circ: TOC @ 5170  
 Hole Size: 7 7/8

**Geologic Tops**

Rustler 731  
 Salado 1100  
 Base of Salt 4242  
 Lamar 4470  
 Ball Canyon 4505  
 Cherry Canyon 5400  
 Bone Spring 8324

PSTD 8,378  
 TD 8,457

Tubing Strings									
Tubing Size (OD)	Perforation	Run In Hole (R.I.H.)	Set Depth (T.D.)	Perforation	Run In Hole (R.I.H.)	Set Depth (T.D.)	Perforation	Run In Hole (R.I.H.)	Set Depth (T.D.)
2 7/8	N	8,275.6	8,275.6	2 7/8	8,275.6	8,275.6	2 7/8	8,275.6	8,275.6
3/13/2015	Pump Repair	3/11/2015 07:00							
Jbs	Run Des	OO (ft)	ID (ft)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (NOH)	Bot (NOH)
255	TBG J55 6.5#	2 7/8		6.50	J-55		7,925.7	13.0	7,938.8
1	MARKER SUB J55 6.5#	2 7/8		6.50	J-55		4.10	7,938.8	7,942.9
2	TBG J55 6.5#	2 7/8		6.50	J-55		65.07	7,942.9	8,007.9
1	TAC	2 7/8					2.70	8,007.9	8,010.6
4	TBG J55 6.5#	2 7/8		6.50	J-55		130.18	8,010.6	8,140.8
2	TBG J55 6.5# TK-99	2 7/8		6.50	J-99		65.12	8,140.8	8,205.9
1	SS MECH SN w/ DIP TUBE ATTACHED	2 7/8					1.10	8,205.9	8,207.0
1	PERF SUB	2 7/8					4.10	8,207.0	8,211.1
2	MUD ANCHOR	2 7/8					63.85	8,211.1	8,275.0
1	BULL PLUG	2 7/8					0.60	8,275.0	8,275.6

**ROD DETAIL(Run in Hole)**

Size	Manufacturer	No. of Rods	Length	Grade
1.5	HF SPRAYED METAL POLISH ROD	1	26	C
7/8	ROD SUB T66	1	2	B
7/8	ROD SUB T66	1	10	B
7/8	T66	111	2775	B
3/4	T66	199	4975	B
1 1/2	K-BARS	14	350	B
7/8	GUIDED SUB	1	4	A
2 1/2	25-125-RHBC-20-5	1	20.0	A

**24. Perforation record (interval, size, and number)**  
 8118 - 8338; 20' 2 spf 40 holes  
 8252' - 8272'; 20' 2 spf 40 holes

**CURRENT  
WELLBORE DIAGRAM**

Lease: Todd 2 State Well No: 13 API: 30-015-3250000 Chev No.: HJ9940  
 Location: Eddy Sec: 2 Blk: TS Survey: TS  
 County: Eddy State: New Mexico LAT: 32.2518272 LONG: -103.7421646  
 Field: Ingle Wells WBS: UCRE71510 Cost Center: UCRE71510

Directions to Wellsite:

**PROPOSED**

**Surface CASING**

Size: 13 3/8  
 Wt.: 48, H-40  
 Set @: 685  
 Sxs Cmt: 560 sks  
 Cmt Date: 3/16/03  
 Circ: Yes

**Intermediate CASING**

Size: 8 5/8  
 Wt.: 32#, J-55  
 Set @: 4480  
 Sxs Cmt: 1430 sks  
 Cmt Date: 3/22/03  
 Circ: Yes  
 Hole Size: 11

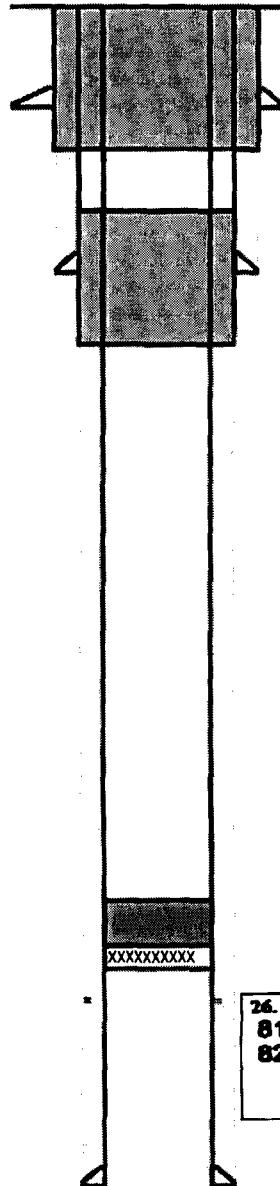
**PRODUCTION CASING**

Size: 5 1/2  
 Wt.: 17#, N-80  
 Set @: 8457  
 Sxs Cmt: 2400 sks  
 Cmt Date: 3/31/03  
 Circ: TOC @ 6170'  
 Hole Size: 7 7/8

**Geologic Tops**

Rustler 731  
 Salado 1100  
 Base of Salt 4242  
 Lamar 4470  
 Bell Canyon 4505  
 Cherry Canyon 5406  
 Bone Spring 8324

PBTD: 8,378  
 TD: 8,457



735  
 Perf & Squeeze w/ 515 sx U/ 781' V surface (Rustler, Shoe, WB)

4530'  
 Perf & Squeeze w/ 110 sx U/ 4655' V 4132' (Bell Canyon, Shoe, Lamar, Base of Salt)

CIBP @ 8050' w/ 25 sx Class H cement U/ 8050' V 7850' (Perfs, Bone Springs)

WOC T1A5

**26. Perforation record (interval, size, and number)**  
**8118 - 8338; 20' 2 spf 40 holes**  
**8252' - 8272'; 20' 2 spf 40 holes**

## **CONDITIONS FOR PLUGGING AND ABANDONMENT**

### **District II / Artesia N.M.**

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.**

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.
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 the well is not plugged within 1
7. 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.
8. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
9. Produced water **will not** be used during any part of the plugging operation.
10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
11. 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.
12. **Class 'C' cement will be used above 7500 feet.**
13. **Class 'H' cement will be used below 7500 feet.**
14. **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**
15. **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 REQUIREMENTS**

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)