

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. 30-015-33608
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 Candelario 24
8. Well Number: 2
9. OGRID Number 4323
10. Pool name or Wildcat Loving, Brushy Canyon, East
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2986' GL

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐ **NM OIL CONSERVATION ARTESIA DISTRICT**

2. Name of Operator
Chevron USA, Inc. **MAR 20 2019**

3. Address of Operator
6301 Deauville Blvd., Midland, TX 79706 **RECEIVED**

4. Well Location
Unit Letter D : 330 feet from the NORTH line and 330 feet from the WEST line
Section 24 Township 23S Range 28E, NMPM, County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
2986' GL

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"/>	

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. 8 5/8" 24# @ 297': TOC @ surface; 5 1/2" 15.5# @ 6397': TOC @ 1230'

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

1. MIRU, pull rods, N/U BOPE, pull tubing
2. Set CIBP @ 5900' w/ wireline, fill well with fresh water while TIH w/ tubing, pressure test casing to 500 psi for 10 minutes - if pressure test passes, spot MLF
3. Spot 25 sx CL C cement f/ 5900' t/ 5673' (Perfs, Old Squeeze Holes). If pressure test in Step 2 failed, WOC, tag, & pressure test. ~~If pressure test in Step 3 passed, do not WOC & tag.~~ If MLF not previously spotted, spot MLF.
4. Spot 40 sx CL C cement f/ 4817' t/ 4450' (Brushy Canyon, Old Squeeze Holes)
5. Spot 25 sx CL C cement f/ 3400' t/ 3173' (DV Tool)
6. Spot 45 sx CL C cement f/ 2683' t/ 2309' (Delaware, B. Salt)
7. Perf & squeeze 140 sx CL C cement f/ 400' t/ surface (Shoe, T. Salt, Fresh Water)
8. Verify top of cement at surface on all casing strings

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

*See Attached COAs 3/20/2019
X Nick Glann

Must be Plugged by 3/22/20

Nick Glann
P&A Engineer/Project Manager

SIGNATURE Signed by: Nick Glann

E-mail address: nglann@chevron.com PHONE: 432-687-7786

For State Use Only

APPROVED BY: [Signature] TITLE: State Mgr DATE: 3/22/19

Conditions of Approval (if any):

ENTERED
by 3-22-19

Candelario 24-2
Loving East -- 30-015-33608
Eddy County, New Mexico
Unit D; Sec. 24, T-23S, R-28E; 330' FNL & 330' FWL
 CURRENT COMPLETION; Updated by RJD 3/12/2019

KB: 2999'
 GL: 2986'

12-1/4" hole

TOC @ ~1230'
 (Vanguard WBD)

DV tool @ 3350'

Fair cmt 4200' - 4346'
 (Vanguard WBD)
 Sqz'd @ 4550' & 5825'
 (Vanguard WBD)

Formation Tops	
T. Salt	335
B. Salt	2409
Delaware	2633
Brushy Canyon	4767

7-7/8" hole

CASING PROGRAM

Depth	Size	Weight	Grade	Sxs Cmt
297'	8 5/8"	24#	Unknown	350
6397'	5 1/2"	15.5#	J-55	1300

Cement Records

Surf Csg: 350 sxs Class 'C'. TOC @ surf (circ 120 sxs).
 Prod Csg: 1st Stage (450 sxs 50/50 Poz C + 200 sx Class C). 2nd Stage (650 sxs 35/65 Poz C; Cmt did not circ - TOC @ ~1230', CBL).
 Cmt Sqz: Sqz'd 5825' & 4550' - Fair cmt from 5825' - 4550'. No cmt from 4550' - 4346'. Good cmt from 4346' - 4200'. (Vanguard WBD).

TUBING & ROD DETAIL (7/1/2016 Well Service Report)

Tubing Detail

13' - KB
 5914' - 192 jts 2 7/8" J-55 8 RD EUE tubing
 1.1' - 2 7/8" SN 1.875" ID
 3.1' - 2 7/8" X 5 1/2" TAC w/45,000# shears
 4.2' - 2 7/8" Perf Sub
 31.5' - 1 2 7/8" J-55 8RD EUE Bull Plugged MJ
 5966.9' - EOT

Rod Detail

1 - 1 1/2" X 26' SM PR w/1" pins
 1 - 1" X 4' Grade D pony rod
 72 - 1" X 25' Grade D sucker rods
 73 - 7/8" X 25' Grade D sucker rods
 101 - 3/4" X 25' Grade D sucker rods
 1 - 3/4" X 2' Grade D pony rod
 1 - 1 3/4" X 24' X 20' X 4' X 4' RHBC pump
 1 - 1 1/4" X 1' gas anchor

Brushy Canyon "A"
 5974' - 5984' (6 spf, 59 holes)

NOTE: No record in NMOCD.
 Perf'd & Frac'd (per Range WBD)

Brushy Canyon "B"
 6053' - 6063' (6 spf, 59 holes)

Frac'd

Brushy Canyon "C"
 6189' - 6195' (6 spf, 59 holes)

Frac'd

10/15/04 - Well spudded.
 11/21/04 - Well completed.

PBTD = 6313'
 TD = 6400'

Note: This schematic is not to scale. For display purposes only.

Candelario 24-2
Loving East -- 30-015-33608
Eddy County, New Mexico
Unit D; Sec. 24, T-23S, R-28E; 330' FNL & 330' FWL
Proposed WBD

KB: 2999'
GL: 2986'

12-1/4" hole

TOC @ ~1230'
(Vanguard WBD)

DV tool @ 3350'

Fair cmt 4200' - 4346'
(Vanguard WBD)
Sqz'd @ 4550' & 5825'
(Vanguard WBD)

Formation Tops		XXXXXXXXXXXX
T. Salt	335	
B. Salt	2409	
Delaware	2633	
Brushy Canyon	4767	

7-7/8" hole

CASING PROGRAM

Depth	Size	Weight	Grade	Sxs Cmt
297'	8 5/8"	24#	Unknown	350
6397'	5 1/2"	15.5#	J-55	1300

Cement Records

Surf Csg: 350 sxs Class 'C'. TOC @ surf (circ 120 sxs).
Prod Csg: 1st Stage (450 sxs 50/50 Poz C + 200 sx Class C). 2nd Stage (650 sxs 35/65 Poz C; Cmt did not circ - TOC @ ~1230', CBL).
Perf & squeeze 140 sx CL C cmt f/ 400' t/ surface (Shoe, T. Salt, Fresh Water)

Spot 45 sx CL C cmt f/ 2683' t/ 2309' (Delaware, B. Salt)

Spot 25 sx CL C cmt f/ 3400' t/ 3173' (DV Tool)

Cmt Sqz: Sqz'd 5825' & 4550' - Fair cmt from 5825' - 4550'. No cmt from 4550' - 4346'. Good cmt from 4346' - 4200'. (Vanguard WBD).

Spot 40 sx CL C cmt f/ 4817' t/ 4450' (Brushy Canyon, Old Squeeze Holes)

Spot 25 sx CL C cmt f/ 5900' t/ 5673' (Perfs, Old Squeeze Holes). WOC & tag Set CIBP @ 5900'

Brushy Canyon "A"
5974' - 5984' (6 spf, 59 holes)

NOTE: No record in NMOCD.
Perf'd & Frac'd (per Range WBD)

Brushy Canyon "B"
6053' - 6063' (6 spf, 59 holes)

Frac'd

Brushy Canyon "C"
6189' - 6195' (6 spf, 59 holes)

Frac'd

10/15/04 - Well spudded.
11/21/04 - Well completed.

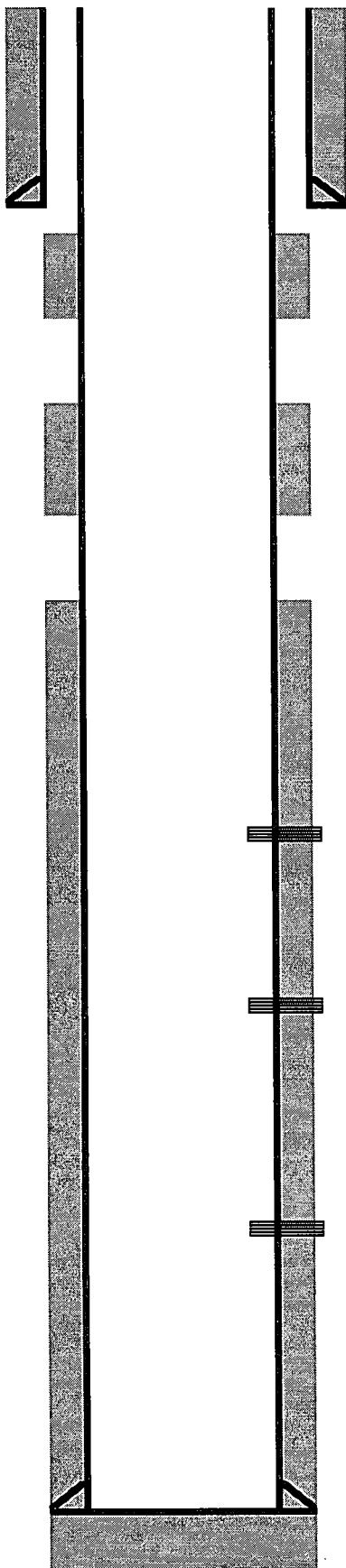
PBTD = 6313'
TD = 6400'

Note: This schematic is not to scale. For display purposes only.



Candelario 24-2
Loving East - 30-015-33608
Eddy County, New Mexico
CURRENT COMPLETION - 7/2014

KB: 2999'
 GL: 2986'



DV tool @ 3350'

<u>CASING PROGRAM</u>					
<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>I.D.</u>	<u>Collapse</u>
297'	8 5/8"	24#		8.097"	
6397'	5 1/2"	15.5#	J-55	4.95"	4,040
					4,810

Cement

Surface: 350 sx Class C. TOC @ surf
 Production: 1st Stage w/ 450 sx 50/50 Poz C + 200 sx Class C. 2nd Stage w/ 650 sx 35/65 Poz C. Cmt did not circ. TOC @ ~1230'
 Squeeze: Squeezed 5825' & 4550' - Fair cmt from 5825' - 4550'. No cmt from 4550' - 4346'. Good cmt from 4346' - 4200'

Brushy Cayon "A"
 5974' - 5984' - 59 holes

Brushy Cayon "B"
 6053' - 6063' - 6 spf

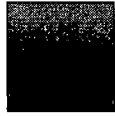
Brushy Canyon "C"
 6185' - 6195' - 6 spf

PBSD = 6313'

History - Highlights

10/04 - Well spudded
 11/04 - Frac'd 5974' - 5984' w/ 176000# 20/40 + 50000# 20/40 RC sand. ISIP=730#
 12/04 - Acidized 6053' - 6195' w/ 42 bbl 15% NeFe

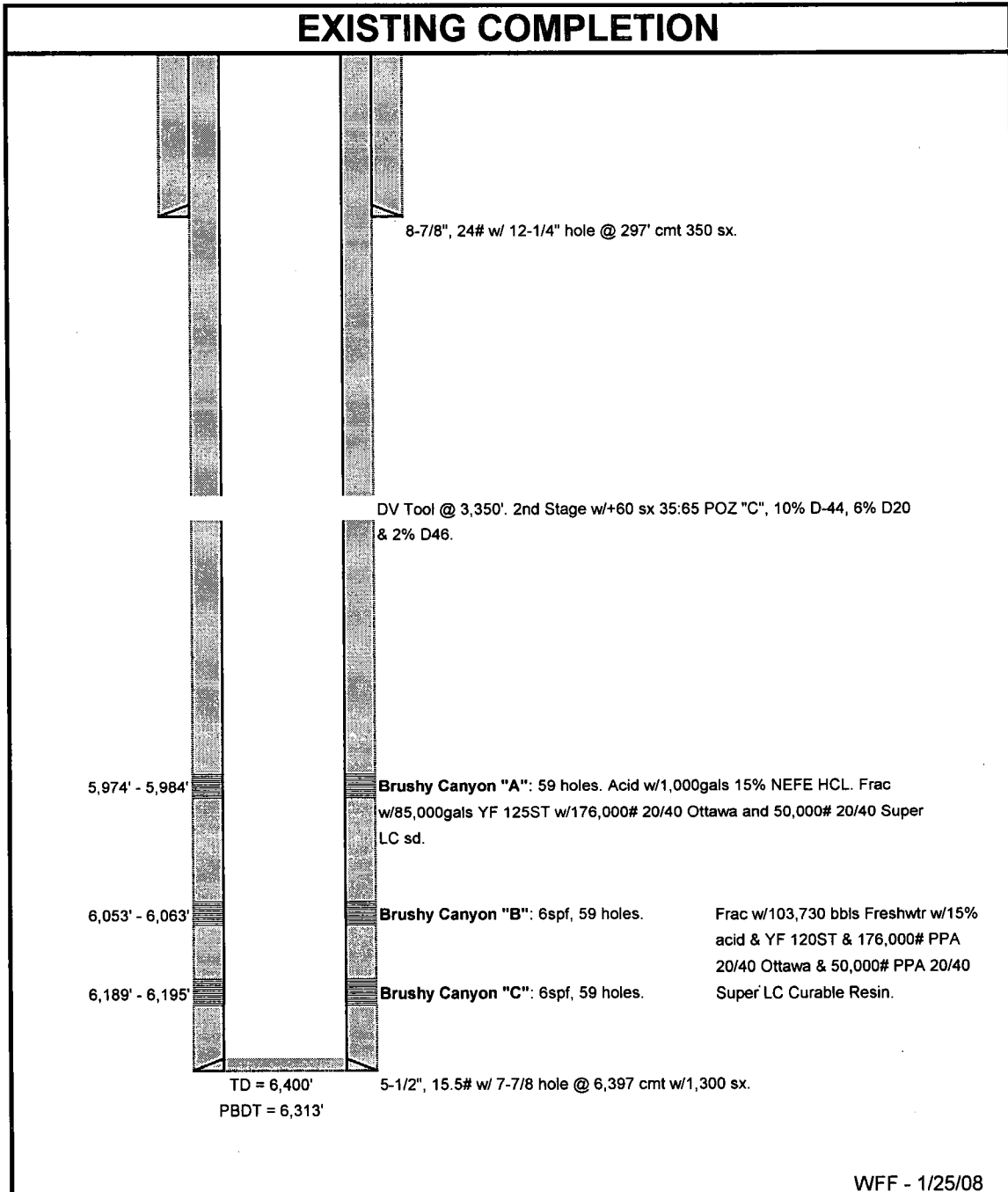
Note: This schematic is not to scale. For display purposes only.



RANGE RESOURCES

LEASE: <u>Candelario</u>	WELL #: <u>24-2</u>	API#: <u>30-015-33608</u>
FIELD: <u>Loving East</u>	COUNTY: <u>Eddy</u>	STATE: <u>New Mexico</u>
LOCATION: <u>Sec 24, T23S, R28E</u>	LEGAL: _____	KB: _____

EXISTING COMPLETION



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)