

Submi: 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. 30-015-33986
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 Carrasco 14
8. Well Number: 4
9. OGRID Number 4323
10. Pool name or Wildcat Loving, Brushy Canyon, East
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2977' 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**

2. Name of Operator  
Chevron USA, Inc.

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

4. Well Location  
Unit Letter J : 2630 feet from the SOUTH line and 1330 feet from the EAST line  
Section 14 Township 23S Range 28E, NMPM, County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
2977' 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"/>	

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# @ 591': TOC @ surface; 5 1/2" 15.5# @ 6325': TOC not certain**

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

- MIRU, pull rods, N/U BOPE, pull tubing **CIBP @ 6050' w/255x cmt - WOC & Tag**
- Set CIBP @ 5772' with wireline & run CBL **Notify OCD 24 hrs. prior to any work done.**
- TIH, tag CIBP, circulate well w/ fresh water, pressure test casing t/ 500 psi for 10 min, and spot MLF if pressure test passed
- Spot 25 sx CL C cmt f/ 5772' t/ 5545' (Perfs). WOC & tag if pressure test in Step 3 failed. If MLF not previously spotted, then spot MLF.
- Spot 25 sx or perf & squeeze 55 sx CL C cmt f/ 4914' t/ 4764' (DV Tool) - depending on CBL results
- Spot 45 sx or perf & squeeze 125 sx CL C cmt f/ 2654' t/ 2285' (Delaware, B. Salt) - depending on CBL results
- Spot 70 sx or perf & squeeze 220 sx CL C cmt f/ 641' t/ surface (T. Salt, Shoe, Fresh Water) - depending on CBL results **No Perfs @ 5822 - 6032**
- Verify top of cement at surface on all casing strings **Well files incomplete - Chevron to provide info as what they had attached.**

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **provided info as what they had attached.**

**\*See Attached COAs** 3/1/2019

**must be plugged by 3/7/20**

**X Nick Glann**

Nick Glann  
 P&A Engineer/Project Manager  
 Signed by: Nick Glann

**see changes to procedure**

SIGNATURE

E-mail address: [nglann@chevron.com](mailto:nglann@chevron.com) PHONE: 432-687-7786

**For State Use Only**

APPROVED BY: [Signature]  
 Conditions of Approval (if any):

TITLE: Staff Mgr.

DATE: 3/5/19

**ENTERED**  
**3.8.2019**

*emailed Home/Wick*

**Carrasco 14 #4**  
**Loving East - 30-015-33986**  
**Eddy County, New Mexico**  
**Unit J; Sec 14; T23S; R28E; 2630 FSL & 1330 FEL;**  
**CURRENT COMPLETION; Updated by RJD 2/18/2019**

KB: 2994'  
 GL: 2977'

**CASING PROGRAM**

Depth	Size	Weight	Grade
591'	8 5/8"	24#	J-54
6325'	5 1/2"	15.5#	J-54

5 1/2" csg @ 591'  
 (Cmt w/ 650 sxs  
 Class 'C')  
 TOC @ surf  
 12-1/4" hole

**TUBING & ROD DETAIL**

From May 6 & 7, 2011 Pump Change Reports

Details

Purpose of work: Pump Change  
 Crew to location and MIRU pump trk. Unset TAC, NDWH and NUBPO. TOH w/ tbg until rods reach. POOH w/ rods and pump. TOH w/ tbg. TIH w/ tbg. Secured WH and opened cgs to safe. RDMO pump trk. SDON

Details

Purpose of work: Pump Change  
 Crew to location and MIRU pump trk. RIH w/ pump, 159 3/4" rods and 81 7/8" rods. Seated pump and loaded tbg w/ 25 bbls to 500 psi. Pressure held good. Hang well on, good pump action. RDMO PU and pump trk.  
 Note: Three day well test will follow.

DV Tool @ 4864'

Formation Tops	
T. Salt	590
B. Salt	2385
Delaware	2604
Bone Spring	6193

Brushy Canyon frac'd  
 5822' - 5832'  
 5920' - 5928'  
 5950' - 5960'  
 6022' - 6032'

Brushy Canyon frac'd  
 6118' - 6140'

5 1/2" csg @ 6325'  
 (cmt w/ 1300 sxs)  
 TOC @ surf (per RC  
 WBD)  
 7-7/8" hole

PBTD = 6,235'  
 TD = 6,325'

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

**Carrasco 14 #4**  
**Loving East - 30-015-33986**  
**Eddy County, New Mexico**  
**Unit J; Sec 14; T23S; R28E; 2630 FSL & 1330 FEL;**  
**PROPOSED WBD**

KB: 2994'  
 GL: 2977'

**CASING PROGRAM**

Depth	Size	Weight	Grade
591'	8 5/8"	24#	J-54
6325'	5 1/2"	15.5#	J-54

5 1/2" csg @ 591'  
 (Cmt w/ 650 sxs  
 Class 'C')  
 TOC @ surf  
 12-1/4" hole

Spot 70 sx or perf & squeeze 220 sx CL C cmt f/ 641' t/ surface (Shoe,  
 T. Salt, Fresh Water) - depending on CBL results

Spot 45 sx or perf & squeeze 125 sx CL C cmt f/ 2654' t/ 2285' (Delaware,  
 B. Salt) - depending on CBL results

DV Tool @ 4864'

Spot 25 sx or perf & squeeze 55 sx CL C cmt f/ 4914' t/ 4764' (DV Tool) -  
 depending on CBL results

**Formation Tops**

T. Salt	590
B. Salt	2385
Delaware	2604
Bone Spring	6193

Spot 25 sx CL C cmt f/ 5772' t/ 5545' (Perfs)  
 Set CIBP @ 5772'

Brushy Canyon frac'd  
 5822' - 5832'  
 5920' - 5928'  
 5950' - 5960'  
 6022' - 6032'

*CIBP @ 6050 w/ 25 sx Cmt*

Brushy Canyon frac'd  
 6118' - 6140'

5 1/2" csg @ 6325'  
 (cmt w/ 1300 sxs)  
 TOC @ surf (per RC  
 WBD)  
 7-7/8" hole

PBTD = 6,235'  
 TD = 6,325'

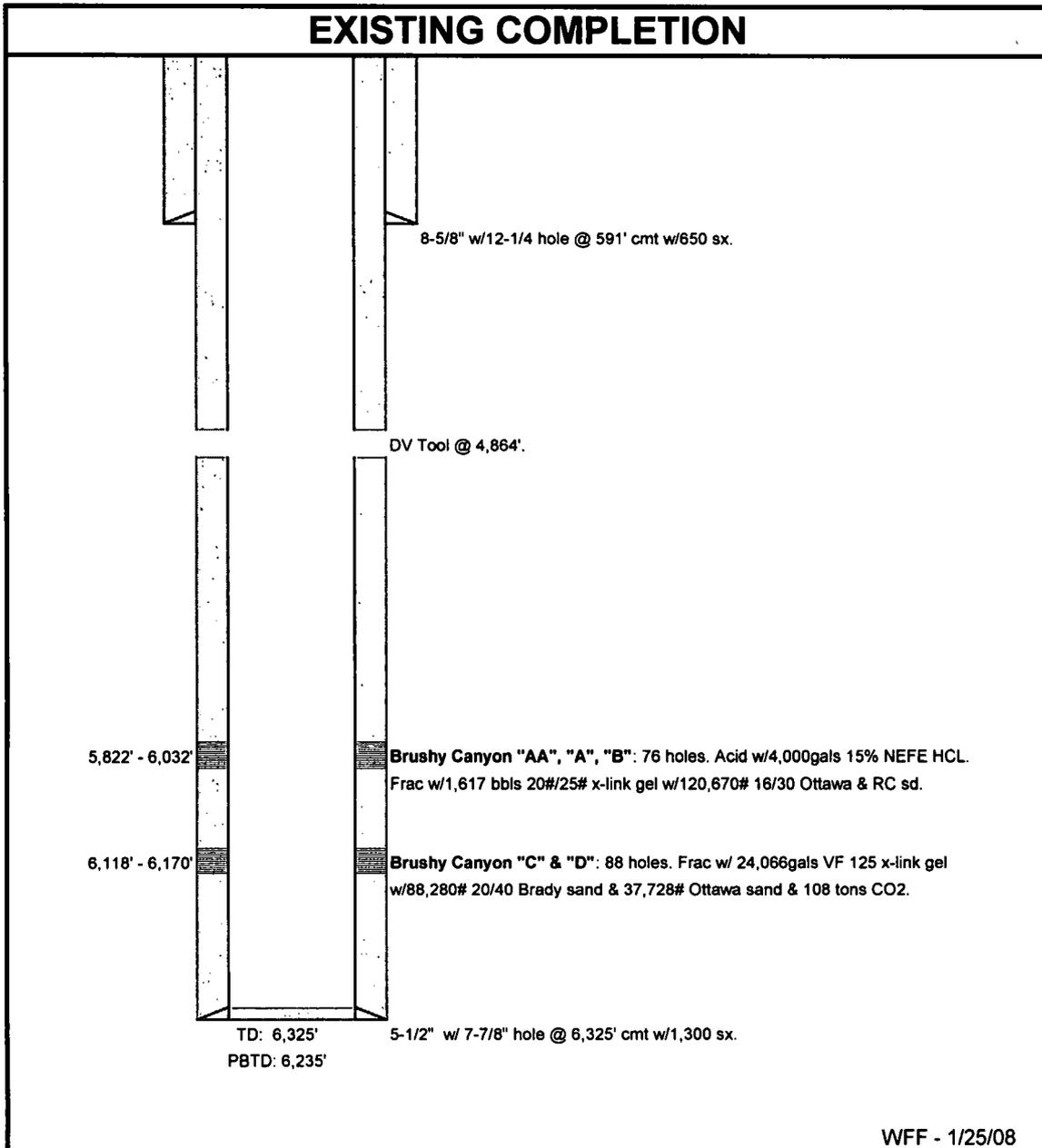
*Note: This schematic is not to scale. For display purposes only.*

**RANGE RESOURCES**

LEASE: Carrasco  
FIELD: Loving East  
LOCATION: Sec 14, T23S, R28E

WELL #: 14 #4  
COUNTY: Eddy  
LEGAL: \_\_\_\_\_

API#: 30-015-33986  
STATE: New Mexico  
KB: \_\_\_\_\_



## **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 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 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)