

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  
Department of Natural Resources

August 1, 2011

OIL CONSERVATION  
ARTESIA DISTRICT

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED

WELL API NO.

30-015-25864

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil &amp; Gas Lease No.

7. Lease Name or Unit Agreement Name

SRO SWD

8. Well Number 104

9. OGRID Number

229137

10. Pool name or Wildcat

SWD; Delaware

## 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

2. Name of Operator

COG Operating LLC

3. Address of Operator

600 W Illinois, Midland, TX 79701

4. Well Location

Unit Letter F : 1980 feet from the N line and 1980 feet from the W lineSection 10 Township 26S Range 28E NMPM County Eddy

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

3004 GR

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

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
 DOWNHOLE COMMINGLE ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS. ☐ P AND A ☐  
 CASING/CEMENT JOB ☐

OTHER: ☐OTHER: ☐

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.

1. Set 5 1/2 CIBP @ 4275. Circ. hole w/ MLF. Spot 25 sx cmt @ 4275-4125. - WOC & TAG
2. Spot 50 sx cmt @ 2560-2260. WOC & Tag. (DV tool, btm of salt)
3. Spot 25 sx cmt @ 1850-1700. (top of salt) - WOC & TAG
4. Perf & Sqz 45 sx cmt @ 650-550. Tag (8 5/8 shoe)
5. Perf & Sqz 25 sx cmt @ 100-surface.
6. Cut off well head and weld on Dry Hole Marker.

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.cmrnd.state.nm.us/oed.

Spud Date:

Rig Release Date:

WELL MUST BE PLUGGED BY 10/21/2017

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

SIGNATURE

Ben Montgomery

TITLE

Agent

DATE

10-13-16

Type or print name

Ben Montgomery

E-mail address:

benmc.bcmnd.associates.com

PHONE:

10-13-16

For State Use Only

APPROVED BY:

Robert L. Ryl

TITLE

COMPLIANCE OFFICER

DATE

10/21/2016

Conditions of Approval (if any):

★ SEE ATTACHED COA-5

# SRO SWD 104

30-015-25864

(Formerly Delaware River Unit 3)

1980' FWL 1980' FWL

F-10-2bs-28e

Eddy NM

SWD-1193

4300-5800'

860 psi Max

5. Perf & Sqz 25 sxs cmt @ 100'-surface

12 1/4"

8 7/8" @ 600'

120 sxs 14L-250 sxs "C" (C'w 45 sxs)

4. Perf & Sqz 45 sxs cmt @ 650-550'

\*TAG (8 5/8 Shoe)

TDC 670' CBL

7 1/8"

3. Spot 25 sxs cmt @ 1850-1700'

(top of Salt) WOC & TAG

T. Salt 1805'

B. Salt 2360'

DV 250'

BDC 2550' CBL

2. Spot 50 sxs cmt @ 2560-2260'. WOC & TAG

(DV tool, btm of Salt)

TDC 2870' CBL

WOC & TAG

1. Set 5 1/2 CIBP w/ 25 sxs cmt @ 4275-4125'

4300'

(377)

Delaware Sand

5650'

5850'

5 1/2" / 17/555/LTC @ #5843

1st: 475 sxs HLC + 400 sxs Super H

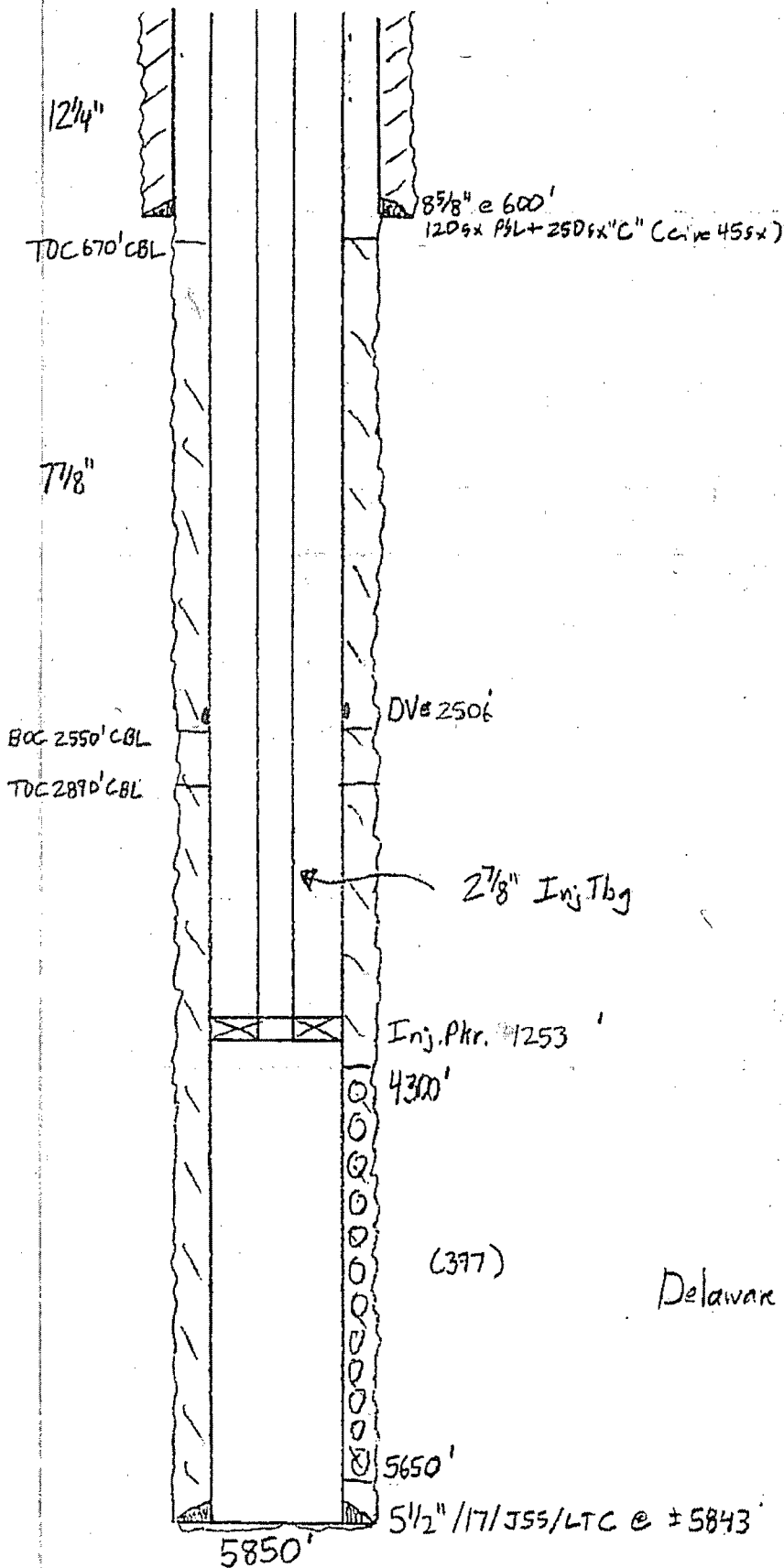
2nd: 800 In 1/4" + 100 sxs "C"

30-015-25864

SWD 104 SWD  
(Formerly Delaware River Unit 3)

1980' FWL, 1960' FWL  
F-10 - 2bs - 2Bc  
Eddy NM

SWD-1193  
4300-5800'  
860 psi Max



After SWD Conversion

T. Salt 1805  
B. Salt 2360

1st: 475gx HLC + 400gx Super H

2nd: 800 Inj. HLC + 1000gx "C"

## **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. **Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.**
7. Produced water **will not** be used during any part of the plugging operation.
8. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
9. 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.
10. **Class 'C' cement will be used above 7500 feet.**
11. **Class 'H' cement will be used below 7500 feet.**
12. **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**
13. **All Casing Shoes Will Be Perforated and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing**
14. **A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.**
15. **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**

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 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).
18. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
19. Any Production Formations will be isolated with cement plugs: Some of these are:
  - A) Strawn, Fusselman, Devonian, Marrow, Atoka, Wolfcamp, Bone springs, Delaware, Abo, Glorieta, Any Salt Section, (Potash), Grayburg, Queen, Yates, Tubb, 7-Rivers
  - B) 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.
20. 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)