

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 July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO. 30-015-28487
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. LG-5665
7. Lease Name or Unit Agreement Name CEDRO APG STATE CON
8. Well Number 001
9. OGRID Number 119305
10. Pool name or Wildcat SWD; WOLFCAMP, CISCO

**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 SWD

2. Name of Operator  
RAY WESTALL OPERATING, INC.

3. Address of Operator  
P.O. BOX 4, LOCO HILLS, NM 88255

4. Well Location  
Unit Letter C : 660' feet from the NORTH line and 2230' feet from the WEST line.  
Section 36 Township 17S Range 30E NMPM County EDDY

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

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

<p><b>NOTICE OF INTENTION TO:</b></p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/></p> <p>DOWNHOLE COMMINGLE <input type="checkbox"/></p> <p>CLOSED-LOOP SYSTEM <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>	<p><b>SUBSEQUENT REPORT OF:</b></p> <p>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/></p> <p>CASING/CEMENT JOB <input type="checkbox"/></p> <p>OTHER: <input checked="" type="checkbox"/> CONVERT TO SWD</p>
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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 wellb

SEE ATTACHED PROCEDURE

**NM OIL CONSERVATION**  
 ARTESIA DISTRICT  
 OCT 09 2015  
 RECEIVED

Spud Date:

Rig Release Date:

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

SIGNATURE Rene Hope TITLE Bookkeeper DATE 10/6/15

Type or print name Rene Hope E-mail address: \_\_\_\_\_ PHONE: 575-677-2370

APPROVED BY: R. Dade TITLE Dist. H. Supervisor DATE 10/5/2015

Conditions of Approval (if any):

CEDRO APG STATE COM SWD # 1

1. MOVE IN RIG UP WELL SERVICE UNIT
2. UNSET PACKER, COME OUT OF HOLE WITH TBG AND PKR.
3. SET CIBP @ 9600', CAP WITH 35' CEMENT. NEW PBDT 9565'.
4. RUN RADIAL CBL, SHOWED T.O.C @ 1160'. COPIES SENT TO ARTESIA AND SANTA FE OCD 04/15/15.
5. PERFORATE 8967'- 9040'. WELL FLOWED BACK SALT WATER. FLOWED 500 BBLS TO FRAC TANK, NO OIL OR GAS. TOOK WATER SAMPLE TO BE ANALYZED.
6. R.I.H. WITH NICKEL PLATED PKR AND IPC 2 7/8" TBG. SET PKR @ 8876'.
7. NOTIFY OCD TO PERFORM MIT. TESTED O.K. RICHARD INGE OF OCD ARTESIA WITNESSED TEST AND HAS CHART.
8. BUILDING TANK FACILITY.
9. WILL NOTIFY OCD OF FIRST DISPOSAL. INJECTION PRESSURE TO BE LIMITED TO 1652 PSI.
10. WATER SAMPLE ATTACHED.



# WELL SCHEMATIC Cedro APG State Com. SWD #1

Spud Date:  
Re-Entry Date:

Annulus Monitored  
or open to atmosphere

Injection Pressure Regulated  
and Volumes Reported

20" - 40' cement to surf

Surface Casing

13 7/8" - 542'  
1175 SX - Circulate

Intermediate Casing

8 5/8" - 32#  
4489'  
1900 SX - Circulate

Production Casing

5 1/2" - 17#  
11,755'  
1125 SX

T.O.C. @ 1160' By CBL

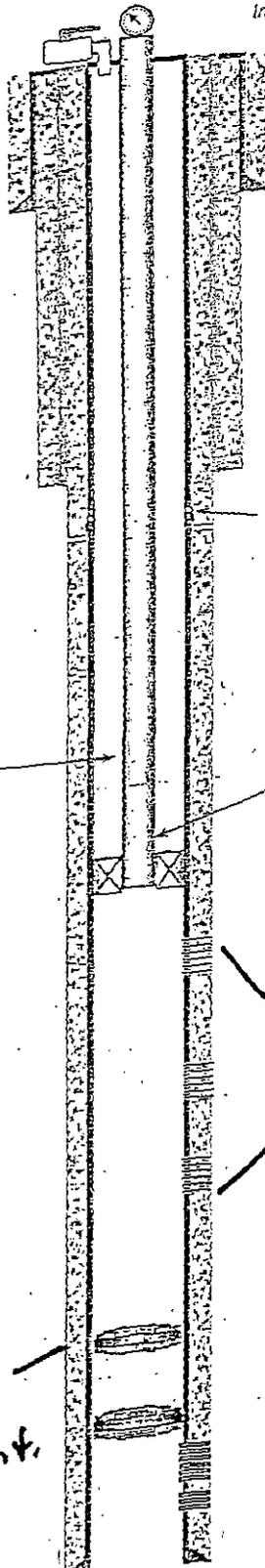
Pkr set @ 8976'  
2 7/8" I.P.C. Tbg.

Perts: 8967' - 9040'  
129 Hdos

P.B.T.D - 9565'  
Production Casing

C.I.B.A set  
9600' - 35' cmt.

Annulus Loaded  
w/ Inert Packer Fluid



RAY WESTALL OPERATING, INC.



## Water Analysis

2702 N Freeman Artesia, NM 88210  
(575) 736-4411 FAX:(575)736-4958

Date: 14-May-15 Tank #:  
Company: Ray Westall Operating, LLC Test #:  
Wellsite: Cedro APG 1 SWD Formation  
State: Source

pH	6.99	Temperature(F):	65.4
Specific Gravity	1.025	H <sub>2</sub> S	None Detected

Cations	mg/L	me/L	ppm
Sodium	7709.24	335.33	7521.21
Calcium	1684.20	84.04	1643.12
Magnesium	243.00	19.99	237.07
Barium	< 25	---	---
Potassium	< 10	---	---
Iron	0.00	0.00	0.00

Anions	mg/L	me/L	ppm
Chloride	14070.00	396.90	13726.83
Sulfate	1951.22	40.63	1903.63
Carbonate	< 1	---	---
Bicarbonate	192.76	3.16	188.06

	mg/L	me/L	ppm
Total Solids Dissolved	25850.42		25219.92
Total Hardness as CaCO <sub>3</sub>	5206.37	104.03	5079.38

### Comments

NO HYDROCARBON CONTENT DETECTED

### Scale Analysis

CaCO <sub>3</sub> Factor	324646.39	Calcium Carbonate Scale Probability	Remote
CaSO <sub>4</sub> Factor	3368400	Calcium Sulfate Scale Probability	Remote