

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. SANTA ELENA 19 FEDERAL 1
2. Name of Operator COG OPERATING LLC		9. API Well No. 30-015-40567-00-S1
3a. Address ONE CONCHO CENTER 600 WILLINOIS AVENUE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4332 Fx: 432-685-4396	10. Field and Pool, or Exploratory WILDCAT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T16S R30E SWNW 1650FNL 330FWL		11. County or Parish, and State EDDY COUNTY, NM

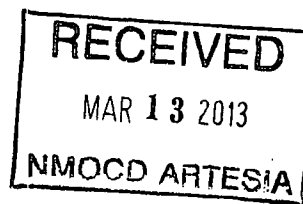
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input checked="" type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

1/16/13 Test BOP to 5000# for 30 min, ok.  
1/21/13 Perf @ 8426 - 8156, 36 holes. Acidize w/3090 gals 7.5% NEFE acid.  
Frac w/218,562 gals gel w/10,580 gals treated wtr, 2,220,940# 20/40  
Brown sand, 66,770# 100 mesh, 262,390# 20/40 CRC. Set plug @ 8089.  
Perf @ 8021 - 7751, 36 holes. Acidize w/6002 gals 7.5% NEFE acid.  
Frac w/214,866 gals gel w/24,765 gals treated wtr, 2,243,370# 20/40  
Brown sand, 57,920# 100 mesh, 262,700# 20/40 CRC. Set plug @ 7684.  
Perf @ 7616 - 7346, 36 holes. Acidize w/5991 gals 7.5% NEFE acid.  
Frac w/212,797 gals gel w/21,564 gals treated wtr, 2,246,170# 20/40  
Brown sand, 65,960# 100 mesh, 283,050# 20/40 CRC. Set plug @ 7279.  
Perf @ 7211 - 6941, 36 holes. Acidize w/6001 gals 7.5% NEFE acid.  
Frac w/219,620 gals gel w/10,369 gals treated wtr, 2,250,510# 20/40

Accepted 3/18/13  
Accepted for record  
NMOC



14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #200062 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 03/04/2013 (13KMS5262SE)</b>	
Name (Printed/Typed) KANICIA CASTILLO	Title PREPARER
Signature (Electronic Submission)	Date 02/27/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	JAMES A AMOS Title SUPERVISOR EPS	Date 03/07/2013
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**Additional data for EC transaction #200062 that would not fit on the form**

**32. Additional remarks, continued**

Brown sand, 63,180# 100 mesh, 240,000# 20/40 CRC. Set plug @ 6874.  
Perf @ 6806 - 6536, 36 holes. Acidize w/5888 gals 7.5% NEFE acid.  
Frac w/207,840 gals gel w/20,145 gals treated wtr, 2,228,090# 20/40  
Brown sand, 41,050# 100 mesh, 253,510# 20/40 CRC. Set plug @ 6469.  
1/22/13 Perf @ 6401 - 6131, 36 holes. Acidize w/6013 gals 7.5% NEFE acid.  
Frac w/221,143 gals gel w/20,208 gals treated wtr, 2,251,860# 20/40  
Brown sand, 65,720# 100 mesh, 271,670# 20/40 CRC. Set plug @ 6064.  
Perf @ 5996 - 5726, 36 holes. Acidize w/6227 gals 7.5% NEFE acid.  
Frac w/204,611 gals gel w/9586 gals treated wtr, 2,246,820# 20/40  
Brown sand, 69,000# 100 mesh, 282,970# 20/40 CRC. Set plug @ 5659.  
Perf @ 5591 - 5321, 36 holes. Acidize w/7308 gals 7.5% NEFE acid.  
Frac w/204,339 gals gel w/25,204 gals treated wtr, 2,258,260# 20/40  
Brown sand, 64,320# 100 mesh, 232,640# 20/40 CRC. Set plug @ 5254.  
Perf @ 5186 - 4916, 36 holes. Acidize w/6011 gals 7.5% NEFE acid.  
Frac w/204,627 gals gel w/15,954 gals treated wtr, 2,239,920# 20/40  
Brown sand, 66,060# 100 mesh, 267,460# 20/40 CRC. Set plug @ 4849.  
Perf @ 4781 - 4511, 36 holes. Acidize w/6001 gals 7.5% NEFE acid.  
Frac w/206,254 gals gel w/15,275 gals treated wtr, 2,271,560# 20/40  
Brown sand, 65,920# 100 mesh, 493,700# 20/40 CRC.  
1/24/13 Drilled out plugs. PBTD @ 8500.  
2/07/13 TIH w/120jts 2-7/8 J55 6.5# tbg. EOT @ 3811. RIH submersible pump.  
2/08/13 Hang on well.