

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB No 1004-0137  
Expires July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator COG PRODUCTION LLC		8. Lease Name and Well No. COOPER 31 FEDERAL 3	
3. Address 2208 W MAIN STREET ARTESIA, NM 88210		9. API Well No. 30-015-37749-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface SENE 1650FNL 990FEL # At top prod interval reported below SENE At total depth SWNW 1769FNL 382FWL E/2		10. Field and Pool, or Exploratory N BRUSHY DRAW-DELAWARE	
14. Date Spudded 01/20/2011		15. Date T.D. Reached 02/07/2011	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 04/23/2011		17. Elevations (DF, KB, RT, GL)* 2975 GL	
18. Total Depth MD 10860 TVD 7061		19. Plug Back T.D.: MD TVD	
20. Depth Bridge Plug Set MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR CCL CBL GR CCL CBL	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt (#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	48.0	0	341		500		0	
11.000	8.625 J-55	32.0	0	2768		650		0	
7.875	5.500 P-110	17.0	0	10855		700		2254	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	6682							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) BONE SPRING	7500	10860	7500 TO 10860			Swell Packer & Sleeve System
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
7500 TO 10860	gal treated water, 2954945 gal Delta Frac 140-R-11, 3842917# 100 mesh, 20/40 sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
05/03/2011	05/17/2011	24	→	355.0	3194.0	1420.0	40.0	1072	POW
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
1/2"	1000 SI		→	355	3194	1420			

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #140855 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

*Last Due*  
**RECLAMATION**  
**DUE 10-23-11**

**ACCEPTED FOR RECORD**  
JUN 13 2012  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

## 28b Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			→						

29 Disposition of Gas(Sold, used for fuel, vented, etc )  
SOLD

## 30. Summary of Porous Zones (Include Aquifers).

Show all important zones of porosity and contents thereof Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top
					Meas Depth
BASAL ANHYDRITE	2643			BASAL ANHYDRITE	2643
LAMAR	2839			LAMAR	2839
BELL CANYON	2871			BELL CANYON	2871
CHERRY CANYON	3710			CHERRY CANYON	3710
MANZANITA	3864			MANZANITA	3864
BRUSHY CANYON	4972			BRUSHY CANYON	4972
BONE SPRING	6575			BONE SPRING	6575

32 Additional remarks (include plugging procedure):  
Submitted to amend Field and Pool.

## 33. Circle enclosed attachments:

- |  |                   |               |                       |
|--|-------------------|---------------|-----------------------|
| 1 Electrical/Mechanical Logs (1 full set req'd.)     | 2 Geologic Report | 3. DST Report | 4. Directional Survey |
| 5 Sundry Notice for plugging and cement verification | 6. Core Analysis  | 7 Other:      |                       |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #140855 Verified by the BLM Well Information System.  
For COG PRODUCTION LLC, sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 06/20/2012 (12KMS2433SE)

Name (please print) STORMI S DAVIS

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/18/2012

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.

\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\*