

**NM OIL CONSERVATION
ARTESIA DISTRICT**

QCD 14-2015

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

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 OPERATING LLC		Contact: STORMI DAVIS E-Mail: sdavis@concho.com	
3. Address 2208 W MAIN ST ARTESIA, NM 88210		3a. Phone No. (include area code) Ph: 575-748-6946	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Sec 25 T26S R26E Mer NMP NWNW 20FNL 330FWL At top prod interval reported below At total depth Sec 25 T26S R26E Mer NMP SWSW 349FSL 479FWL		8. Lease Name and Well No. HORNE OWL FEDERAL 1H	
14. Date Spudded 01/23/2015		15. Date T.D. Reached 02/06/2015	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/05/2015		9. API Well No. 30-015-42484	
18. Total Depth: MD 11930 TVD 7318		19. Plug Back T.D.: MD 11880 TVD 7318	
20. Depth Bridge Plug Set: MD 11880 TVD 7318		10. Field and Pool, or Exploratory WILDCAT; BONE SPRING	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE		11. Sec., T., R., M., or Block and Survey or Area Sec 25 T26S R26E Mer NMP	
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)		12. County or Parish EDDY	
23. Casing and Liner Record (Report all strings set in well)		13. State NM	
17. Elevations (DF, KB, RT, GL)* 3415 GL		17. Elevations (DF, KB, RT, GL)* 3415 GL	

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cements Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	295		350		0	
12.250	9.625 J55	40.0	0	2012		800		0	
7.875	5.500 P110	17.0	0	11930		2300		2000	

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7563	6704						

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7595	11840	7595 TO 11781	0.430	504	OPEN
B)			11830 TO 11840		60	OPEN
C)						
D)						

Depth Interval	Amount and Type of Material
7595 TO 11781	SEE IN REMARKS

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity
03/09/2015	03/24/2015	24	→	590.0	840.0	2549.0		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
46/64	SI	570	→	590	840	2549		POW

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

ACCEPTED FOR RECORD
Production Method
FLOWS FROM WELL
AUG 6 2015
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #296967 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Reclamation
Date: 9/24/15

APB

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.)
FLARED

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
LAMAR	1948	1987		TOS	412
BELL CANYON	1988	2823		BOS	1813
CHERRY CANYON	2824	3980		LAMAR	1948
BRUSHY CANYON	3981	5538		BELL CANYON	1988
BONE SPRING LM	5539	6493		CHERRY CANYON	2824
1ST BONE SPRING	6494	7326		BRUSHY CANYON	3981
2ND BONE SPRING	7327	7346		BONE SPRING LM	5539
				1ST BONE SPRING	6494

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
 11576-11781 7182 448979 387618
 11270-11474 6048 451138 372498
 10963-11168 6006 450169 370800
 10651-10861 5964 450321 368214
 10351-10555 6006 449550 366114
 10045-10249 6048 448460 368340
 9739-9946 6006 450256 370440

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 #296967 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad
 Committed to AFMSS for processing by DEBORAH HAM on 06/13/2015 ()**

Name (please print) STORMI DAVIS Title REGULATORY ANALYST

Signature (Electronic Submission) Date 04/01/2015

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Additional data for transaction #296967 that would not fit on the form

32. Additional remarks, continued

9432-9636 5982 450112 366857
9126-9330 5982 450108 367602
8819-9024 6006 448746 365610
8511-8718 5922 446232 364770
8209-8412 6006 450606 364224
7901-8105 5964 452625 362628
7595-7805 6048 416691 361812
Totals 85169 6263993 5157527

Additional Tops:
2nd Bone Spring 7327

Surveys attached.