

OCD Artesia

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

5. Lease Serial No.
NMNM97136

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
MARAUDER 31 FEDERAL 2H

9. API Well No.
30-015-41810

10. Field and Pool, or Exploratory
GATUNA CANYON; BONE SPRING

11. Sec., T., R., M., or Block and Survey
or Area Sec 31 T19S R31E Mer NMP

12. County or Parish
EDDY

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3408 GL

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

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 31 T19S R31E Mer NMP
NENW 330FNL 1770FWL

At top prod interval reported below
Sec 31 T19S R31E Mer NMP

At total depth SESW 348FSL 2007FWL

14. Date Spudded
04/29/2014

15. Date T.D. Reached
05/07/2014

16. Date Completed
 D & A Ready to Prod.
07/17/2014

18. Total Depth: MD 13259
TVD 8795

19. Plug Back T.D.: MD 13254
TVD 8795

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE

22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit analysis)
Directional Survey? No 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
20.000	16.000 J55	65.0	0	440		600		0	
14.375	11.750 J55	47.0	0	2126		1250		0	
10.625	8.625 HCK55	32.0	0	4005	2174	1350		0	
7.875	5.500 P110	17.0	0	13257		1925		0	

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	8326							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9005	13165	9005 TO 13105	0.430	324	OPEN
B)			13155 TO 13165		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
9005 TO 13105	SEE IN REMARKS

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
07/18/2014	07/28/2014	24	→	382.0	402.0	1517.0			ELECTRIC PUMP SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	350	140.0	→	382	402	1517		POW	

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 #256750 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

RECEIVED

ACCEPTED FOR RECORD

NOV 24 2014

Dinah Reynolds

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Reclamation Due Date: 1/18/2015

OK

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
BRUSHY CANYON	5047	6624		RUSTLER	331
BONE SPRING LM	6625	7927		TOS	465
1ST BONE SPRING	7928	8668		BOS	1909
2ND BONE SPRING	8669	8795		YATES	2086
				SEVEN RIVERS	2162
				CAPITAN	2333
				BRUSHY CANYON	5047
				BONE SPRING LM	6625

32. Additional remarks (include plugging procedure):

Perts 7 1/2% Acid Sand# Fluid (Gal)
 12787-13105' 7980 448894 400806
 12317-12632' 6048 449567 381234
 11843-12156' 6972 450260 368676
 11370-11686' 6048 455634 463974
 10895-11213' 5964 445235 367122
 10424-10740' 5964 451747 367248
 9951-10267' 6024 453067 376044

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 #256750 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad
 Committed to AFMSS for processing by DINAH NEGRETE on 11/15/2014 ()

Name(please print) STORMI DAVIS

Title REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 08/12/2014

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.

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Additional data for transaction #256750 that would not fit on the form

32. Additional remarks, continued

9478-9794' 6006 449901 365484
9005-9320' 6678 456660 365010
Totals 57684 4060965 3455597

Additional Tops:

1st Bone Spring 7928
2nd Bone Spring 8669