

NM OIL CONSERVATION

OCD Artesia

FEB 23 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 ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator COG OPERATING LLC		8. Lease Name and Well No. FLYING SQUIRREL FEDERAL 1H	
3. Address 2208 W MAIN ST ARTESIA, NM 88210		9. API Well No. 30-015-42608	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 30 T18S R31E Mer NMP At surface NESE 2000FSL 450FEL At top prod interval reported below Sec 29 T18S R31E Mer NMP At total depth NESE 2179FSL 342FEL		10. Field and Pool, or Exploratory SHUGART; BONE SPRING, N	
14. Date Spudded 09/19/2014		15. Date T.D. Reached 10/08/2014	
16. Date Completed ☐ D & A ☒ Ready to Prod. 11/25/2014		17. Elevations (DF, KB, RT, GL)* 3600 GL	
18. Total Depth: MD 13897 TVD 8810		19. Plug Back T.D.: MD 13895 TVD 8810	
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
17.500	13.375 J55	54.5	0	625		600		0	
12.250	9.625 J55	36.0	0	2500		850		0	
7.875	5.500 P110	17.0	0	13895		2550		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	8294							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	9345	13805	9345 TO 13731	0.430	540	OPEN
B)			13795 TO 13805		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
9345 TO 13731	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
11/26/2014	12/05/2014	24	→	788.0	504.0	1302.0		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
	350	110.0	→	788	504	1302		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
			→					
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

ACCEPTED FOR RECORD

Production Method
ELECTRIC PUMP SUB-SURFACE

FEB 12 2015

Debrah Ham

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #285361 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation

Due: 6/5/15

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
CHERRY CANYON	4394	4558		RUSTLER	564
BRUSHY CANYON	4559	6067		TOS	637
BONE SPRING LM	6068	7743		BOS	1941
1ST BONE SPRING	7744	8573		YATES	2084
2ND BONE SPRING	8574	8840		SEVEN RIVERS	2471
				QUEEN	3184
				CHERRY CANYON	4394
				BRUSHY CANYON	4559

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
13540-13731' 7006 466087 470350
13245-13445' 6132 450856 376278
12945-13150' 6048 450433 378378
12645-12845' 6090 457036 374892
12345-12545' 6048 458117 377124
12045-12242' 6090 448946 371196
11745-11945' 6426 451410 369894

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 #285361 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DEBORAH HAM on 01/29/2015 ()

Name(please print) STORMI DAVISTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 12/16/2014

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 #285361 that would not fit on the form

32. Additional remarks, continued

11450-11645' 6384 451952 370950
11145-11345' 5999 451161 369761
10845-11046' 6066 454181 371214
10542-10745' 6006 459374 374178
10245-10445' 6108 455982 368064
9945-10145' 6048 451469 371280
9645-9845' 5982 450456 368831
9345-9545' 7266 459740 369420
Totals 93698 6817200 5681809

Additional Tops:

Bone Spring Lm 6068
1st Bone Spring 7744
2nd Bone Spring 8574

Surveys are attached.