

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

SHL: VO6322, BHL: NMNM58935

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Workover ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.

Other

2. Name of Operator  
COG Operating LLC

6. INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT

8. FARM OR LEASE NAME  
Dirty Dozen State Com #3H

3. Address  
2208 W. Main Street  
Artesia, NM 88210

3a. Phone No. (include area code)  
575-748-6940

9. API WELL NO.  
30-015-38225

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface 1810' FSL & 720' FEL, Unit I (NESE) of Sec 36-T19S-R31E (Eddy County)

10. FIELD NAME  
WC Williams Sink; Bone Spring

11. SEC. T. R. M., OR BLOCK AND SURVEY  
OR AREA 36 T 19S R 31E

12. COUNTY OR PARISH 13. STATE  
Eddy/Lea NM

At top prod. Interval reported below

At total depth 1967' FSL & 383' FEL, Unit I (NESE) of Sec 31-T19S-R32E (Lea County)

14. Date Spudded 10/28/10 15. Date T.D. Reached 11/22/10 16. Date Completed 4/5/11  
☐ D & A ☒ Ready to Prod.

17. ELEVATIONS (DF, RKB, RT, GR, etc.)\*  
3504' GR 3523' KB

18. Total Depth: MD 14781' 19. Plug back T.D.: MD 14712' 20. Depth Bridge Plug Set: MD  
TVD 9409' TVD 9408' TVD

21. Type Electric & other Logs Run (Submit a copy of each)  
DLL, DSN

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

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 Sks. & Type of Cement	Slurry Vol. (Bbl)	Cement Top*	Amount Pulled
17 1/2"	13 3/8" J55	54.5#	0	920'		850 sx		0	None
12 1/4"	9 5/8" J55	36#	0	4102'	2612'	2120 sx		0	None
7 7/8"	5 1/2" P110	17#	0	14781'	8824'	1550 sx (TOC @ 1940'-TS)		0	None

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 7/8"	8968'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) Bone Spring	9500'	14653'	9500-14653'			Open
B)						
C)						
D)						

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

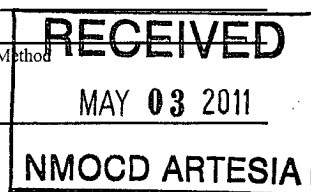
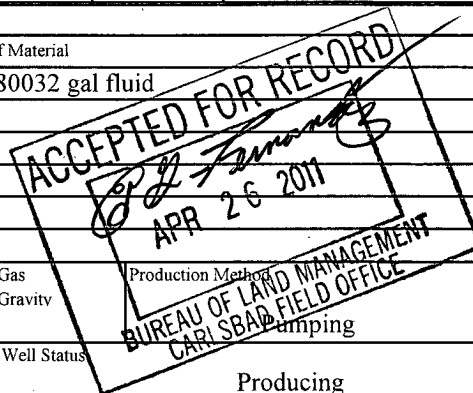
Depth Interval	Amount and Type of Material
9500-14653'	Acidz w/31356 gal 15%; Frac w/3776852# sand & 3180032 gal fluid

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
4/6/11	4/7/11	24	→	936	930	1399			Production Method
Choke Size	Tbg. Press Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
28/64"	300#	120#	→	936	930	1399		Producing	

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. SI	Csg. Press. SI	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
			→						



## 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 Measured Depth
Yates	2740'	2829'		Rustler	814'
Delaware	4356'	7238'		Top of Salt	920'
Bone Spring	7239'	14781'		Bottom of Salt	2650'
				Yates	2740'
				Seven Rivers	2830'
				Reef	3020'
				Delaware	4356'
				Bone Spring	7239'
					TD 14781'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/ Mechanical Logs (1 full set required)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Deviation Report

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

Name (please print) Stormi Davis

Title Regulatory Analyst

Signature



Date 4/8/11

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.