

UNITED STATES ~~OC~~-ARTESIA
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 DESIGNATION AND SERIAL NO

NMNM100555

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

6 INDIAN ALLOTTEE OR TRIBE NAME

7 UNIT AGREEMENT

2 Name of Operator
COG Production LLC

8 FARM OR LEASE NAME

Cooper 31 Federal #4H

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

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

9 API WELL NO

30-015-39343

4 Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 1830' FSL & 730' FEL, Unit I (NESE) of Sec 31-25S-29E

10 FIELD NAME

Rock Spur; Bone Spring

At top prod. Interval reported below

11 SEC. T. R. M. OR BLOCK AND SURVEY OR AREA 31 T 25S R 29E

At total depth 1826' FSL & 320' FWL, Unit L (NWSW) of Sec 31-25S-29E

12 COUNTY OR PARISH 13. STATE

Eddy NM

14 Date Spudded 10/3/11
 15 Date T D Reached 10/29/11
 16 Date Completed 2/22/12
 D & A Ready to Prod

17 ELEVATIONS (DF, RKB, RT, GR, etc)*

2959' GR KB

18. Total Depth. MD 11071' TVD 6910'
 19 Plug back T D MD 11022' TVD 6912'

20 Depth Bridge Plug Set MD 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	48#	0	460'		400 sx		0	None
11"	8 5/8" J55	32#	0	2828'		750 sx		0	None
7 7/8"	5 1/2" P110	17#	0	11063'		800 sx		2300' Est	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"	6726'	6717'						

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No of Holes	Perf Status
A) Bone Spring	7267'	10938'	7267-10938'			Open
B)						
C)						
D)						

27 Acid,Fracture Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
See Attached	See Attached

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
3/12/12	3/24/12	24	→	282	1180	1170			Flowing
Choke Size	Tbg Press Flwg SI	Csg Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Well Status	
	1200#	1000#	→					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
			→						Flowing
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas Oil Ratio	Well Status	
			→						

RECEIVED
APR 24 2012
NMOC D ARTESIA

Accepted for record

NMOC D / 15
4/25/12

RECLAMATION
DUE 8-22-12

ACCEPTED FOR RECORD

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

* See instructions and spaces for additional data on page 2)

28b Production- Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil Bbl	Gas MCF	Water Bbl	Oil Gravity Corr API	Gas Gravitv	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 Gravitv	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

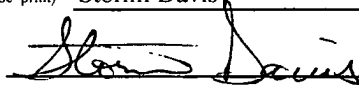
Formation	Top	Bottom	Descriptions Contents, Etc	Name	Top
					Measured Depth
Delaware Bone Spring	2830'	6555'		Rustler	301'
	6556'	11071'		Top of Salt	458'
				Bottom of Salt	2632'
				Delaware	2830'
				Bone Spring	6556'
				TD	11071'

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 3/27/12

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

COOPER 31 FEDERAL #4H

30-015-39343

Sec 31-T25S-R29E

<u>Frac Sleeves</u>	<u>15% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
10938'	---	---	---
10780'	2997	---	126992
10621'	2456	18175	187323
10421'	2591	18935	109854
10224'	2565	192348	173834
10026'	2604	190315	170118
9828'	2590	195315	176270
9632'	2464	193560	168711
9437'	2733	190882	196914
9241'	2472	160145	169551
9043'	2996	188311	176428
8845'	5439	190626	192712
8645'	2655	168692	168763
8445'	5127	173313	173472
8249'	---	192513	---
8051'	---	191667	195552
7858'	3012	189339	179129
7662'	3143	188794	168751
7465'	2999	190142	168097
7267'	---	<u>193841</u>	<u>180894</u>
Totals	48843	3026913	3083365