

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-41670	⁵ Pool Name Willow Lake; Bone Spring	⁶ Pool Code 64450
⁷ Property Code 308286	⁸ Property Name Really Scary Federal	⁹ Well Number 4H

II. ¹⁰ Surface Location

Ul or lot no. O	Section 33	Township 24S	Range 28E	Lot Idn	Feet from the 250	North/South Line South	Feet from the 2293	East/West line East	County Eddy
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¹¹ Bottom Hole Location

Ul or lot no. B	Section 33	Township 24S	Range 28E	Lot Idn	Feet from the 328	North/South Line North	Feet from the 2029	East/West line East	County Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 5/16/14	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
265309	Permian Transport and Trading 415 W. Wall - Ste 1000 Midland, TX 79701	O
36785	DCP Midstream, LP 10 Desta Dr - Suite 2500 Midland, TX 79705-4528	G
NM OIL CONSERVATION ARTESIA DISTRICT JUN 02 2014 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 3/2/14	²² Ready Date 5/2/14	²³ TD 12789' 8106	²⁴ PBTD 12758'	²⁵ Perforations 8273-12610'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	450'	450 sx		
12 1/4"	9 5/8"	2484'	850 sx		
8 3/4"	5 1/2"	12761'	2500 sx		
	2 7/8"	8230'			

V. Well Test Data

³¹ Date New Oil 5/6/14	³² Gas Delivery Date 5/16/14	³³ Test Date 5/19/14	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 300#	³⁶ Csg. Pressure 75#
³⁷ Choke Size	³⁸ Oil 777	³⁹ Water 1416	⁴⁰ Gas 1013		⁴¹ Test Method Flowing

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:
Stormi Davis

Title:
Regulatory Analyst

E-mail Address:
sdavis@concho.com

Date:
5/30/14

Phone:
575-748-6946

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

"Geologist"

6-24-2014

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. LEASE DESIGNATION AND SERIAL NO.

NMNM115411

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 Operating LLC

8. FARM OR LEASE NAME
Really Scary Federal #4H

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

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

9. API WELL NO.
30-015-41670

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 250' FSL & 2293' FEL, Unit O (SWSE)

At top prod. Interval reported below

At total depth 328' FNL & 2029' FEL, Unit B (NWNE)

10. FIELD NAME

Willow Lake; Bone Spring

11. SEC. T. R. M. OR BLOCK AND SURVEY
OR AREA 33 T 24S R 28E

12. COUNTY OR PARISH Eddy 13. STATE NM

14. Date Spudded 3/2/14 15. Date T.D. Reached 3/15/14 16. Date Completed 5/2/14
☐ D & A ☒ Ready to Prod.

17. ELEVATIONS (DF, RKB, RT, GR, etc.)*
3000' GR 3017' KB

18. Total Depth: MD 12789' TVD 8106' 19. Plug back T.D.: MD 12758' TVD 8106'

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & other Logs Run (Submit a copy of each)
None

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" H40	48#	0	450'		450 sx		0	None
12 1/4"	9 5/8" J55	36#	0	2484'		850 sx		0	None
8 3/4"	5 1/2" P110	17#	0	12761'		2500 sx		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"	8230	7570'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) Bone Spring	8273'	12610'	8273-12610'	0.42	506	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
See Attached	See Attached
<div style="text-align: right;"> NM OIL CONSERVATION ARTESIA DISTRICT JUN 02 2014 </div>	

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
5/6/14	5/19/14	24	→	777	1013	1416			Flowing
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
	300#	75#	→	777	1013	1416		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	
			→						
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	We	
			→						

Pending BLM approvals will subsequently be reviewed and scanned

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
Lamar Bone Spring	2527'	6126'		Rustler Top of Salt Bottom of Salt Lamar Bone Spring Lime 1st Bone Spring 2nd Bone Spring	642'
	6127'	8106'			1026'
					2414'
					2527'
					6127'
					7144'
					7556'
					TVD. 8106'

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 5/30/14

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.

REALLY SCARY FEDERAL #4H

30-015-41670

Sec 33-T24S-R28E

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
12307-12610'	3024	289394	264264
11904-12207'	6024	297970	260274
11501-11803'	6024	298651	277326
11097-11400'	6048	298503	276822
10694-10996'	6048	299567	278124
10290-10593'	6090	298993	273756
9887-10189'	6006	298421	273084
9483-9786'	6048	300185	275352
9080-9382'	6024	298492	273546
8676-8979'	7014	302300	299670
8273-8576'	5040	278812	260400
Totals	63390	3261288	3012618

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Serial No. NMNM115411
2. Name of Operator COG Operating LLC	6. If Indian, Allottee, or Tribe Name
3a. Address 2208 W. Main Street Artesia, NM 88210	7. If Unit or CA. Agreement Name and/or No.
3b. Phone No. (include area code) 575-748-6946	8. Well Name and No. Really Scary Federal #4H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 250' FSL & 2293' FEL, Unit O (SWSE) Sec 33-T24S-R28E BHL: 328' FNL & 2029' FEL, Unit B (NWNE) Sec 33-T24S-R28E	9. API Well No. 30-015-41670
Lat. Long.	10. Field and Pool, or Exploratory Area Willow Lake; Bone Spring
	11. County or Parish, State Eddy NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Completion Operations</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

3/21/14 to 5/2/14 MIRU. Test csg to 8550#. Good test. Perforate Bone Spring 8273-12610' (506). Acdz w/63390 gal
7 1/2% acid. Frac w/3261288# sand & 3012618 gal fluid.
5/3/14 Began flowing back & testing.
5/6/14 1st date of production.
5/9/14 to 5/10/14 Drill out all frac plugs. Clean out to PBTD & circulate clean.
5/14/14 Set 2 7/8" 6.5# tbg @ 8230' & pkr @ 7570'. Installed gas lift system.

NM OIL CONSERVATION
ARTESIA DISTRICT

JUN 02 2014

RECEIVED

14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed)

Stormi Davis
Signature: 
Title: Regulatory Analyst
Date: 5/30/14

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by: _____ Title: _____ Date: _____

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Pending BLM approvals will
subsequently be reviewed
and scanned

United