

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 - 015-42133	⁵ Pool Name Wildcat G-03 S26263M; Bone Spring	⁶ Pool Code 97818
⁷ Property Code 38565	⁸ Property Name Jack Federal	⁹ Well Number 3H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	31	25S	27E		206	North	2360	West	Eddy

¹¹ Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	31	25S	27E		331	South	2008	West	Eddy
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date			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
248440	Western Refining Company, LP 6500 Trowbridge Drive El Paso, TX 79905	O
NM OIL CONSERVATION ARTESIA DISTRICT DEC 12 2014 RECEIVED		

IV. Well Completion Data

²¹ Spud Date 8/22/14	²² Ready Date 11/4/14	²³ TD 12027' 3487'	²⁴ PBDT 11990'	²⁵ Perforations 7576-11960'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	386'	450		
12 1/4"	9 5/8"	2028'	750		
8 3/4"	5 1/2"	12009'	2400		
	2 7/8"	7560'			

V. Well Test Data

³¹ Date New Oil 11/7/14	³² Gas Delivery Date	³³ Test Date 12/8/14	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 500#	³⁶ Csg. Pressure 1010#
³⁷ Choke Size	³⁸ Oil 693	³⁹ Water 1638	⁴⁰ Gas 2000	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: <i>Stormi Davis</i>	OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i>
Printed name: Stormi Davis	Title: <i>[Signature]</i>
Title: Regulatory Analyst	Approval Date: 12/18/14
E-mail Address: sdavis@concho.com	
Date: 12/11/14	Phone: 575-748-6946

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
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.

5. Lease Serial No.
NMNM114349

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
JACK FEDERAL 3H

9. API Well No.
30-015-42133

10. Field and Pool, or Exploratory
WILDCAT; BONE SPRING

11. County or Parish, and State
EDDY COUNTY, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
COG OPERATING LLC
Contact: STORMI DAVIS
E-Mail: sdavis@concho.com

3a. Address
2208 WEST MAIN
ARTESIA, NM 88210

3b. Phone No. (include area code)
Ph: 575-748-6946

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 31 T25S R27E NENW 206FNL 2360FWL

12. CHECK APPROPRIATE BOX(ES) 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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices 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.)

9/17/14 to 11/4/14 MIRU. Test to 9500#. Good test. Set CBP @ 11990'. Test csg to 8530#. Perf Bone Spring 7576-11960' (540). Acdz w/86968 gal 7 1/2%; frac w/6747471# sand & 5663031 gal fluid.

11/6/14 Began flowing back & testing.

11/7/14 Date of 1st production.

12/2/14 to 12/4/14 Drilled out all CFP's. Cleaned down to CBP @ 11990'.

12/5/14 Set 2 7/8" 6.5# L-80 tbg @ 7560' & pkr @ 6949'. Installed gas-lift system.

*Accepted for record
RD NMOC 12/18/14*

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 12 2014

RECEIVED

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #284840 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad

Name (Printed/Typed) STORMI DAVIS	Title PREPARER
Signature (Electronic Submission)	Date 12/11/2014

THIS SPACE FOR FEDERAL OR STATE OFFICIAL USE

Approved By _____	Title _____
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.	Office _____

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Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

NM OIL CONSERVATION
ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DEC 12 2014

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM114349

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator **COG OPERATING LLC** Contact: **STORMI DAVIS**
E-Mail: **sdavis@concho.com**

8. Lease Name and Well No.
JACK FEDERAL 3H

3. Address **2208 W MAIN ST
ARTESIA, NM 88210**

3a. Phone No. (include area code)
Ph: **575-748-6946**

9. API Well No.
30-015-42133

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 Sec 31 T25S R27E Mer NMP
 At surface **NENW 206FNL 2360FWL**
 At top prod interval reported below
 Sec 31 T25S R27E Mer NMP
 At total depth **SESW 331FSL 2008FWL**

10. Field and Pool, or Exploratory
WILDCAT; BONE SPRING

11. Sec., T., R., M., or Block and Survey
or Area **Sec 31 T25S R27E Mer NMP**

12. County or Parish
EDDY

13. State
NM

14. Date Spudded
08/22/2014

15. Date T.D. Reached
09/03/2014

16. Date Completed
 D & A Ready to Prod.
11/04/2014

17. Elevations (DF, KB, RT, GL)*
3267 GL

18. Total Depth: MD **12027** TVD **7487**

19. Plug Back T.D.: MD **11990** TVD **7490**

20. Depth Bridge Plug Set: MD **11990** TVD **7490**

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 H40	48.0	0	386		450		0	
12.250	9.625 J55	36.0	0	2028		750		0	
8.750	5.500 P110	17.0	0	12009		2400		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	7560	6949						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7576	11960	7576 TO 11960	0.430	540	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
7576 TO 11960	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
11/07/2014	12/08/2014	24	▶	693.0	2000.0	1638.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	500	1010.0	▶	693	2000	1638		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.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			▶					

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.)
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
LAMAR	2008	2067		RUSTLER	124
BELL CANYON	2068	2879		TOS	345
CHERRY CANYON	2880	3992		BOS	1815
BRUSHY CANYON	3993	5576		LAMAR	2008
BONE SPRING LM	5577	6503		BELL CANYON	2068
1ST BONE SPRING	6504	7236		CHERRY CANYON	2880
2ND BONE SPRING	7237	7491		BRUSHY CANYON	3993
				BONE SPRING LM	5577

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)
 11761-11960' 3000 446101 399648
 11462-11661' 5999 449760 386309
 11163-11362' 5982 449080 385494
 10864-11063' 5999 451040 370517
 10565-10766' 5982 450880 373608
 10268-10465' 5999 448860 387797
 9967-10164' 5999 442860 369845

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 #284850 Verified by the BLM Well Information System.
 For COG OPERATING LLC, sent to the Carlsbad**

Name (please print) STORMI DAVIS Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 12/11/2014

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Additional data for transaction #284850 that would not fit on the form

32. Additional remarks, continued

9667-9868' 5999 453260 375557
9369-9569' 5982 458170 365124
9071-9270' 5999 449820 379169
8772-8971' 5999 456560 373667
8473-8667' 5982 449440 371886
8178-8373' 5999 452770 372617
7875-8074' 5982 425770 376842
7576-7775' 6066 463100 374952
Totals 86968 6747471 5663031

Additional Tops:

1st Bone Spring 6504
2nd Bone Spring 7237

Surveys are attached.