

NM OIL CONSERVATION

ARTESTA DISTRICT

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

FEB 26 2015

Form C-104
Revised August 1, 2011

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

RECEIVED

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 - 015-42455	⁵ Pool Name WC Williams Sink; Bone Spring	⁶ Pool Code 97650
⁷ Property Code 39867	⁸ Property Name Lizard Pot Federal	⁹ Well Number 5H

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
J	36	19S	31E		1650	South	2210	East	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
O	1	20S	31E		367	South	1943	East	Eddy

¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 2/3/15	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
272091	High Sierra Crude Oil and Marketing LLC 14301 Caliber Drive - Ste 100 Oklahoma City, OK 73134	O
36785	DCP Midstream, LP 10 Desta Dr - Suite 2500 Midland, TX 79705-4528	G

IV. Well Completion Data

²¹ Spud Date 11/7/14	²² Ready Date 1/30/15	²³ TD 15620' 9398	²⁴ PBSD 15562'	²⁵ Perforations 11091-15522'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
26"	20"	946'	1300		
17 1/2"	13 3/8"	2710'	2050		
12 1/4"	9 5/8"	4310'	1700		
8 3/4"	5 1/2"	15615'	2950		
	2 7/8"	8860'			

V. Well Test Data

³¹ Date New Oil 2/2/15	³² Gas Delivery Date 2/3/15	³³ Test Date 2/9/15	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 370#	³⁶ Csg. Pressure 160#
³⁷ Choke Size	³⁸ Oil 802	³⁹ Water 1428	⁴⁰ Gas 705	⁴¹ Test Method Pumping	

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: *Stormi Davis*

Printed name:
Stormi Davis

Title:
Regulatory Analyst

E-mail Address:
sdavis@concho.com

Date:
2/23/15

Phone:
575-748-6946

OIL CONSERVATION DIVISION	
Approved by: <i>AD</i>	Title: <i>Dist. Reg. Analyst</i>
Approval Date: <i>3/13/15</i>	

Pending BLM approvals will subsequently be reviewed and scanned *AD*

FEB 26 2015

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.

RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM057239
2. Name of Operator COG OPERATING LLC Contact: STORMI DAVIS E-Mail: sdavis@concho.com		6. If Indian, Allottee or Tribe Name
3a. Address 2208 WEST MAIN ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-6946	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 36 T19S R31E Mer NMP NWSE 1650FSL 2210FEL		8. Well Name and No. LIZARD POT FEDERAL 5H
		9. API Well No. 30-015-42455
		10. Field and Pool, or Exploratory WC WILLIAMS SINK ; BS
		11. County or Parish, and State EDDY COUNTY, NM

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 recomplete 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 recompletion 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.)

12/30/14 MIRU. Test 9 5/8" x 5 1/2" annulus to 1500# for 15 mins. Good test. Set CBP @ 15562'. Test csg to 8500#. Good test. Perforate 15512-15522' (60). Perform injection test.

1/12/15 to 1/16/15 Perforate 11091-15462' (576). Acdz w/97557 gal 7 1/2% acid. Frac w/7245945# & 6025207 gal fluid.

1/24/15 to 1/28/15 Drilled out frac plugs & clean down to CBP @ 15562'.

1/29/15 to 1/30/15 Set 2 7/8" 6.5# L-80 tbg @ 8860' & placed well on pump.

1/31/15 Began flowing back & testing.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #292538 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 02/20/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE 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 _____
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.	

Pending BLM approvals will subsequently be reviewed and scanned

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED

OPERATOR-SUBMITTED **

Additional data for EC transaction #292538 that would not fit on the form

32. Additional remarks, continued

2/2/15 Date of first production.

FEB 26 2015

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMMN057239

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
LIZARD POT FEDERAL 5H

9. API Well No.
30-015-42455

10. Field and Pool, or Exploratory
WC WILLIAMS SINK; BS

11. Sec., T., R., M., or Block and Survey
or Area Sec 36 T19S R31E Mer NMP

12. County or Parish
EDDY

13. State
NM

17. Elevations (DF, KB, RT, GL)*
3485 GL

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other _____

2. Name of Operator
COG OPERATING LLC

Contact: STORMI DAVIS
E-Mail: sdavis@concho.com

3. Address 2208 W MAIN ST
ARTESIA, NM 88210

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

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 36 T19S R31E Mer NMP
At surface NWSE 1650FSL 2210FEL
At top prod interval reported below
Sec 1 T20S R31E Mer NMP
At total depth SWSE 1650FSL 2210FEL

14. Date Spudded
11/07/2014

15. Date T.D. Reached
12/02/2014

16. Date Completed
 D & A Ready to Prod.
01/30/2015

18. Total Depth: MD 15620 TVD 9398

19. Plug Back T.D.: MD 15562 TVD 9396

20. Depth Bridge Plug Set: MD 15562 TVD 9396

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
26.000	20.000 J55	94.0	0	946		1300		0	
17.500	13.375 J55	54.5	0	2710		2050		0	
12.250	9.625 J55	40.0	0	4310	3012	1700		0	
8.750	5.500 P110	17.0	0	15615		2950		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	8860							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11091	15522	11091 TO 15462	0.460	576	OPEN
B)			15512 TO 15522		60	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
11091 TO 15462	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
02/02/2015	02/09/2015	24	→	802.0	705.0	1428.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	370	160.0	→	802	705	1428		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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
SI			→					

Pending BLM approvals will subsequently be reviewed and scanned *RD*

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

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

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
					Meas. Depth
CHERRY CANYON	4342	5517		RUSTLER	813
BRUSHY CANYON	5518	7213		TOS	892
BONE SPRING LM	7214	8396		BOS	2667
1ST BONE SPRING	8397	8186		CHERRY CANYON	4342
2ND BONE SPRING	9187	9398		BRUSHY CANYON	5518
				BONE SPRING LM	7214
				1ST BONE SPRING	8397
				2ND BONE SPRING	9187

32. Additional remarks (include plugging procedure):
Perfs 7 1/2" Sand (#) Fluid (gal)
15276-15462' 7074 448396 383257
14997-15183' 6024 452353 378942
14722-14904' 5999 450043 377237
14439-14622' 6048 449377 376992
14156-14346' 6048 453481 381762
13879-14067' 6066 450664 398976
13602-13783' 5964 452579 373128

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 #292662 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 02/23/2015

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 #292662 that would not fit on the form

32. Additional remarks, continued

13325-13509' 6006 451346 370776
13044-13229' 6048 452951 374094
12765-12951' 5999 459443 376463
12490-12672' 6024 455325 373902
12207-12393' 6090 451652 372882
11928-12114' 6090 450523 370328
11644-11835' 6006 454934 370566
11364-11556' 6024 454985 372287
11091-11276' 6048 457893 373616
Totals 97557 7245945 6025207

Surveys are attached.