



**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

OCD-ARTESIA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO 1004-0137
Expires March 31, 2007

1a Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5 Lease Serial No NMLC-069033
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr, Other _____		6 If Indian, Allottee or Tribe Name
2 Name of Operator COG Operating LLC		7 Unit or CA Agreement Name and No
3 Address 550 W. Texas, Suite 1300	3a Phone No (include area code) 432-685-4332	8 Lease Name and Well No Blue Thunder 5 Federal #3
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1800' FSL & 1980' FEL, Unit J At top prod interval reported below At total depth		9 AFI Well No 30-015-35544
OCT 02 2007 OCD-ARTESIA		10 Field and Pool, or Exploratory Lusk Morrow Gas West
		11 Sec, T, R, M, on Block and Survey or Area Sec 5, T19S, R31E
		12 County or Parish Eddy 13 State NM
14 Date Spudded 05/19/2007	15 Date T D Reached 07/08/2007	16 Date Completed 07/27/2007 ☐ D & A ☒ Ready to Prod
17 Elevations (DF, RKB, RT, GL)* 3577' GL		
18. Total Depth MD TVD 12,350	19 Plug Back T D MD TVD 12,254	20 Depth Bridge Plug Set MD TVD None
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Micro CFL / HNGS & CN HNGS		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	48		638		775 C		Surface	Circ 132
12-1/4	8-5/8	32		4235		1500 C		Surface	Circ 157
7-7/8	5-1/2	17		12350		1530 C & H		Surface	Circ 130

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	12,065	12,035	5-1/2					

25 Producing Intervals				26 Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No Holes	Perf Status
A) Morrow				12,107 - 12,118	4 SPF	45	Open
B)							
C)							
D)							

27 Acid, Fracture, Treatment, Cement Squeeze, etc.	
Depth Interval	Amount and Type of Material
NONE	NONE

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
07/27/2007	08/08/2007	24	→	27	3039	0			Flowing
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→				1125		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	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

DISTRICT I
1225 E. Spanish Dr., Hobbs, NM 88240

DISTRICT II
1001 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 E. Brown Rd., Artesia, NM 87410

DISTRICT IV
1225 E. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised October 18, 2005

Submit to Appropriate District Office
(State Lease - 4 Copies)
(Fee Lease - 8 Copies)

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35544	Pool Code 80840	Pool Name LUCK MEADOW, block
Property Code 35819	Property Name BLUE THUNDER "5" FEDERAL	Well Number 3
OGUID No. 229137	Operator Name C.O.G. OPERATING L.L.C.	Elevation 3577'

Surface Location

UL or lot No.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
J	5	19 S	31 E		1800	SOUTH	1980	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320		Joint or Infill	Consolidation Code	Order No.					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LAT-N32°41'13.6" LONG-W103°53'21.9" (NAD-83) 3574.5' 3578.4' 3573.2' 3576.8' 1800' 1800' 320 Acres	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location pursuant to a contract with no claim of such a mineral or working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division. <i>Lee Ann Rollins</i> 7/13/07 Signature Date Lee Ann Rollins Agent for COG Operating, LLC Printed Name
	SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief. JANUARY 25, 2007 Date Surveyed <i>[Signature]</i> Signature Professional Surveyor W.B. Jones 1236 W.B. Jones 1236 Certificate No. Gary L. Jones 7877 BASIN SURVEYS

OPERATOR COG OPERATING, LLC
WELL/LEASE BLUE THUNDER 5 FED. 3
COUNTY EDDY

074-0047

STATE OF NEW MEXICO
DEVIATION REPORT

200	0.50	9,550	1.75
410	0.75	9,741	2.00
595	0.50	9,837	1.25
885	0.50	10,154	2.00
1,138	0.75	10,313	1.75
1,485	1.00	10,599	1.25
1,771	0.75	10,816	1.00
2,216	1.75	11,088	1.00
2,329	1.00	11,368	1.00
2,475	0.75	11,664	1.50
2,823	0.50	11,852	0.50
3,013	0.50	12,170	0.25
3,331	0.75	12,380	2.00
3,585	0.75		
3,902	0.50		
4,560	0.25		
4,815	0.50		
5,201	0.25		
5,519	0.75		
5,819	0.75		
6,156	0.50		
6,441	0.50		
6,727	1.00		
7,044	1.00		
7,330	1.00		
7,585	0.75		
7,839	1.00		
8,184	1.00		
8,502	1.00		
8,883	1.50		
9,200	3.00		
9,296	1.50		
9,391	1.50		

BY: *Steve Moore*

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Moore on behalf of Patterson-UTI Drilling Company LLC.

July 24, 2007, by Steve

Joni D. Hodges
Notary Public for Midland County, Texas
My Commission Expires: 4/11/11

