

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTHOBBS OGD  
OCD Hobbs

NOV 12 2013

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

NMNM104076

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. INDIAN ALLOTTEE OR TRIBE NAME		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resv.			7. UNIT AGREEMENT		
2. Name of Operator COG Operating LLC			8. FARM OR LEASE NAME Warhawk 3 Federal Com #1H		
3. Address 2208 W. Main Street Artesia, NM 88210			9. API WELL NO. 30-025-40635		
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface 780' FNL & 170' FWL, Unit D (NWNW) At top prod. Interval reported below 330' At total depth 355' FNL & 335' FEL, Unit A (NENE)			10. FIELD NAME Lusk; Bone Spring, East		
14. Date Spudded 7/22/13			11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA 3 T 19S R 32E		
15. Date T.D. Reached 8/10/13			12. COUNTY OR PARISH Lea		
16. Date Completed 9/12/13 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.			13. STATE NM		
17. ELEVATIONS (DF, RKB, RT, GR, etc.)* 3684' GR 3702' KB					
18. Total Depth: MD 13930' TVD 9485'			19. Plug back T.D.: MD 13928' TVD 9484'		
20. Depth Bridge Plug Set: MD TVD					

21. Type Electric & other Logs Run (Submit a copy of each) DSN, DLL, Composite		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)	
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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	54.5#	0	1350'		1000 sx		0	None
12 1/4"	9 5/8" J55	36#	0	3056'		900 sx		0	None
7 7/8"	5 1/2" P110	17#	0	13930'		2200 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"	8867'								

25. Producing Intervals				26. Perforation Record			
Formation	Top	Bottom		Perforated Interval	Size	No. of Holes	Perf. Status
A) Bone Spring	9650'	13907'		9650-13907'	0.43	506	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
9/15/13	9/23/13	24	→	670	580	1422			Producing
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas: Oil Ratio	Well Status	
	350#	100#	→	670	580	1422			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)

RECLAMATION  
DUE 3-12-14BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

DEC 09 2013

## 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 Flwe. 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 Flwe. 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.)

Flaring

## 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:

recoveries

Formation	Top	Bottom	Descriptions Contents, Etc.	Name	Top
					Measured Depth
Bone Spring	7103'	9485'		Top of Salt	1343'
				Bottom of Salt	2703'
				Bone Spring Lm	7103'
				1st Bone Spring	8417'
				2nd Bone Spring	9229'
					TD. 9485' TVD

## 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 10/3/13

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.

**WARHAWK 3 FEDERAL COM #1H****30-025-40635****Sec 3-T19S-R32E**

<u>Perfs</u>	<u>7 1/2% Acid (Gal)</u>	<u>Sand (#)</u>	<u>Fluid (Gal)</u>
13610-13907'	2898	295666	263256
13214-13492'	3000	295734	260148
12818-13115'	3318	296043	239526
12422-12719'	3000	297459	226212
12026-12323'	3276	460197	399084
11630-11927'	3528	299988	227598
11234-11531'	2814	299660	227010
10838-11135'	3000	298503	224574
10442-10739'	3024	300543	224448
10046-10343'	3000	299143	223650
9650-9947'	2898	323666	229488
<b>Totals</b>	<b>33756</b>	<b>3466602</b>	<b>2744994</b>