

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies		<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>		<b>MAR 06 2009</b> Revised June 10, 2003	
District I 1625 N French Dr , Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd , Aztec, NM 87410 District IV 1220 S St Francis Dr , Santa Fe, NM 87505		Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505		<b>WELL API NO.</b> 30-015-36494	
				5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
				State Oil & Gas Lease No.	
<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>					
1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____  b. Type of Completion NEW <input checked="" type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF WELL OVER BACK RESVR. <input type="checkbox"/> OTHER _____				7. Lease Name or Unit Agreement Name  Houma State	
2. Name of Operator  COG Operating LLC				8 Well No.  005	
3. Address of Operator  550 W. Texas Ave., Suite 1300 Midland, TX 79701				9. Pool name or Wildcat  Loco Hills; Glorieta Yeso 96718	
4 Well Location  Unit Letter <u>E</u> <u>1650</u> Feet From The <u>North</u> Line and <u>990</u> Feet From The <u>West</u> Line Section <u>16</u> Township <u>17S</u> Range <u>30E</u> NMPM Eddy County					
10. Date Spudded 01/19/09	11. Date T.D. Reached 01/30/09	12 Date Compl. (Ready to Prod.)	13. Elevations (DF& RKB, RT, GR, etc ) 3682GR	14. Elev. Casinghead	
15 Total Depth 6008	16. Plug Back T.D. 5950	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools X	Cable Tools
19 Producing Interval(s), of this completion - Top, Bottom, Name 4800 - 5540 Blinebry				20 Was Directional Survey Made No	
21. Type Electric and Other Logs Run CN / HNGS, Micro CFL / HNGS ✓				22 Was Well Cored No	
<b>23. CASING RECORD (Report all strings set in well)</b>					
CASING SIZE	WEIGHT LB./FT	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	422	17 ½	530 sx	
8 5/8	24	1278	11	500 sx	
5 ½	17	6008	7-7/8	1000 sx	
<b>24. LINER RECORD</b>					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
<b>25. TUBING RECORD</b>					
SIZE	DEPTH SET	PACKEr SET			
2-7/8	5298				
26. Perforation record (interval, size, and number) <small>CHANGE THIS WHEN YOU GET MACK WELL HISTORY</small> 4800 - 5000 2 SPF, 36 holes Open 5070 - 5270 2 SPF, 36 holes Open Plug @ 5305 5340 - 5540 2 SPF, 48 holes Open Plug @ 5947			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPT# INTERVAL AMOUNT AND KIND MATERIAL USED 4800 - 5000 See attachment 5070 - 5270 See attachment 5340 - 5540 See attachment		
<b>28 PRODUCTION</b>					
Date First Production <b>2/22/09</b>	Production Method ( <i>Flowing, gas lift, pumping - Size and type pump</i> ) Flowing			Well Status ( <i>Prod. or Shut-in</i> ) Producing	
Date of Test <b>02/24/09</b>	Hours Tested <b>24</b>	Choke Size	Prod'n For Test Period	Oil – Bbl <b>164</b>	Gas – MCF <b>109</b>
Water – Bbl. <b>563</b>	Gas – Oil Ratio <b>664</b>				
Flow Tubing Press <b>70 psi</b>	Casing Pressure <b>70</b>	Calculated 24-Hour Rate	Oil – Bbl	Gas – MCF	Water – Bbl.
Oil Gravity – API – (Corr.) <b>37.6</b>					
29. Disposition of Gas ( <i>Sold, used for fuel, vented, etc</i> ) Sold					Test Witnessed By <b>Kent Greenway</b>
30. List Attachments Logs, C102, C103, Deviation Report, C104					
31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief					
Signature 		Printed Name Robyn Odom Title Regulatory Analyst Date 03/05/09			
E-mail Address rodod@conchoresources.com					

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates <u>1185</u>	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen <u>2075</u>	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres <u>2785</u>	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta <u>4215</u>	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb <u>5790</u>	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Spring	T. Entrada	T.
T. Abo	T. <u>Morrow</u>	T. Wingate	T.
T. Wolfcamp	T. <u>Yeso</u> <u>4295</u>	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 3, from.....to.....

No. 2, from.....to.....

No. 4, from.....to.....

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

**HOUMA STATE # 5**  
**API#: 30-015-36495**  
**EDDY, NM**

**C-105 (#27) ADDITIONAL INFORMATION**

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4800 - 5000	Acidize w/ 72 bbls acid.
	Frac w/3,968 bbls gel,
	269,169# sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5070 - 5270	Acidize w/ 60 bbls acid.
	Frac w/ 3,943 bbls gel,
	261,172# sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5340 - 5540	Acidize w/ 60 bbls acid.
	Frac w/ 1,066 bbls gel,
	4,543# sand.

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., 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 and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
 Permit 77705

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-36494	2. Pool Code 96718	3. Pool Name LOCO HILLS; GLORIETA-YESO
4. Property Code 302505	5. Property Name HOUMA STATE	6. Well No. 005
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3682

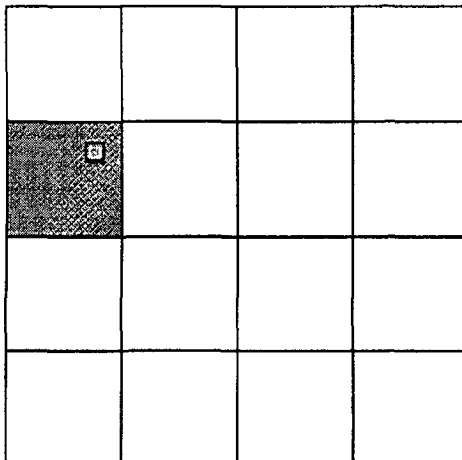
**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	16	17S	30E		1650	N	990	W	EDDY

**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00		13. Joint or Infill		14. Consolidation Code			15. 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**

**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 unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

E-Signed By: Diane Kuykendall

Title: Regulatory Analyst

Date: 7/23/2008

**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.*

Surveyed By: Ronald Eidson

Date of Survey: 7/7/2008

Certificate Number: 3239