

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies 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	<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>	<div style="text-align: right;"> <b>MAR 06 2009</b>      <b>Form C-105</b> <span style="float: right;">RM</span>          Revised June 10, 2003       </div> WELL API NO. <div style="text-align: right;">30-015-36494</div> 5. Indicate Type of Lease <div style="text-align: center;">           STATE <input checked="" type="checkbox"/>      FEE <input type="checkbox"/> </div> State Oil & Gas Lease No.
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### WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>  b. Type of Completion: NEW <input checked="" type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF. <input type="checkbox"/> WELL OVER      BACK      RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/> 2. Name of Operator <div style="text-align: center;">COG Operating LLC</div> 3. Address of Operator <div style="text-align: center;">550 W. Texas Ave., Suite 1300 Midland, TX 79701</div>	7 Lease Name or Unit Agreement Name  <div style="text-align: center;">Houma State</div> 8 Well No  <div style="text-align: center;">005</div> 9 Pool name or Wildcat <div style="text-align: center;">Loco Hills; Glorieta Yeso      96718</div>
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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 <u>Eddy</u> 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		

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB /FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	422	17 1/2	530 sx	
8 5/8	24	1278	11	500 sx	
5 1/2	17	6008	7-7/8	1000 sx	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2-7/8	5298
26 Perforation record (interval, size, and number)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
CHANGE THIS WHEN YOU GET MACK WELL HISTORY				DEPTH INTERVAL      AMOUNT AND KIND MATERIAL USED		
4800 - 5000    2 SPF, 36 holes    Open				4800 - 5000      See attachment		
5070 - 5270    2 SPF, 36 holes    Open      Plug @ 5305				5070 - 5270      See attachment		
5340 - 5540    2 SPF, 48 holes    Open      Plug @ 5947				5340 - 5540      See attachment		

28 PRODUCTION							
Date First Production 2/22/09		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod or Shut-in) Producing		
Date of Test 02/24/09	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 164	Gas - MCF 109	Water - Bbl 563	Gas - Oil Ratio 664
Flow Tubing Press. 70 psi	Casing Pressure 70	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr) 37.6	
29 Disposition of Gas (Sold, used for fuel, vented, etc) Sold						Test Witnessed By Kent Greenway	

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 E-mail Address    rodom@conchoresources.com		Printed Name    Robyn Odom    Title    Regulatory Analyst    Date    03/05/09	

# 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 <b>1185</b>	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen <b>2075</b>	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres <b>2785</b>	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta <b>4215</b>	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinbry	T. Gr. Wash	T. Morrison	T.
T. Tubb <b>5790</b>	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Spring	T. Entrada	T.
T. Abo	T. Morrow	T. Wingate	T.
T. Wolfcamp	T. Yeso <b>4295</b>	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. 2, from.....to.....  
No. 3, 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

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

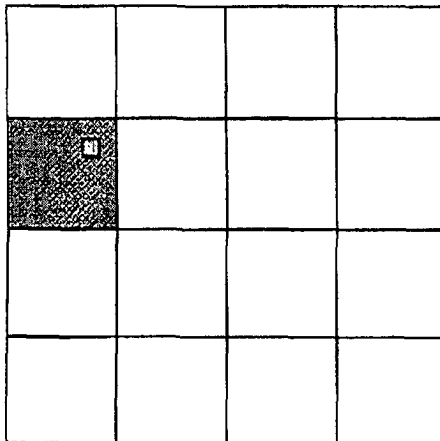
**10. Surface Location**

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