

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies <b>District I</b> 1625 N. French Dr., Hobbs, NM 88240 <b>District II</b> 1301 W. Grand Avenue, Artesia, NM 88210 <b>District III</b> 1000 Rio Brazos Rd., Aztec, NM 87410 <b>District IV</b> 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>	<b>Form C-105</b> Revised June 10, 2003
		WELL API NO. 30-015-37767
		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  <p style="text-align: center;"><b>Hatfield State</b></p>
2. Name of Operator  COG Operating LLC		8. Well No.  008
3. Address of Operator  550 W. Texas Ave., Suite 1300 Midland, TX 79701		9. Pool name or Wildcat  <b>Empire; Glorieta-Yeso, East 96610</b>
4. Well Location  Unit Letter <b>N</b> : <b>330</b> Feet From The <b>South</b> Line and <b>2310</b> Feet From The <b>West</b> Line Section <b>8</b> Township <b>17S</b> Range <b>29E</b> NMPM Eddy County		
10. Date Spudded 08/30/10	11. Date T.D. Reached 09/05/10	12. Date Compl. (Ready to Prod.) 10/07/10
13. Elevations (DF& RKB, RT, GR, etc.) 3618 GR		14. Elev. Casinghead
15. Total Depth 5548	16. Plug Back T.D. 5462	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 3910-5190 Yeso		20. Was Directional Survey Made No
21. Type Electric and Other Logs Run <b>CN / HNGS, Micro CFL / HNGS</b>		22. Was Well Cored No
<b>23. CASING RECORD (Report all strings set in well)</b>		
CASING SIZE	WEIGHT LB./FT.	DEPTH SET
13 3/8	48	355
8 3/8	24	845
5 1/2	17	5535
24. LINER RECORD		25. TUBING RECORD
SIZE	TOP BOTTOM	SACKS CEMENT SCREEN
		SIZE DEPTH SET PACKER SET
		2 7/8 5163
26. Perforation record (interval, size, and number)		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
3910 - 4150	1 SPF, 26 holes OPEN	DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
4450 - 4550	1 SPF, 26 holes OPEN	3910 - 4150 See attachment
4720 - 4920	1 SPF, 26 holes OPEN	4450 - 4550 See attachment
4990 - 5190	1 SPF, 26 holes OPEN	4720 - 4920 See attachment
		4990 - 5190 See attachment
<b>RECEIVED NOV 12 2010 NMOCD ARTESIA</b>		
<b>28. PRODUCTION</b>		
Date First Production 10/26/10	Production Method (Flowing, gas lift, pumping - Size and type pump) Weatherford D 640-365-144 pump	Well Status (Prod. or Shut-in) Producing
Date of Test 11/07/10	Hours Tested 24	Choke Size
Prod'n For Test Period	Oil - Bbl 10	Gas - MCF 205
Water - Bbl. 580	Gas - Oil Ratio 2050	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate
Oil - Bbl.	Gas - MCF	Water - Bbl.
Oil Gravity - API - (Corr.) 42.0		
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 K Carrillo	Printed Name Kanicia Carrillo	Title Regulatory Analyst
E-mail Address kcarrillo@conchoresources.com	Date 11/8/2010	

**Hatfield State #8**  
**API#: 30-015-37767**  
**EDDY, NM**

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

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3910 – 4150	Acidize w/ 5,460 gals acid.
	Frac w/112,889 gals gel, 121,613# 16/30 White
	sand, 18,649# 16/30 Siberprop sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4450 – 4550	Acidize w/ 2,500 gals acid.
	Frac w/ 123,928 gals gel, 146,748# 16/30 White
	sand, 27,859# 16/30 Siberprop sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4720 – 4920	Acidize w/ 2,500 gals acid.
	Frac w/ 124,305 gals gel, 148,716# 16/30 White
	sand, 28,789# 16/30 Siberprop.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4990 – 5190	Acidize w/ 2,500 gals acid.
	Frac w/ 124,421 gals gel, 147,262# 16/30 White
	sand, 27,764# 16/30 Siberprop 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 109256

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-37767	2. Pool Code 96610	3. Pool Name EMPIRE; GLORIETA-YESO, EAST
4. Property Code 37902	5. Property Name HATFIELD STATE	6. Well No. 008
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3618

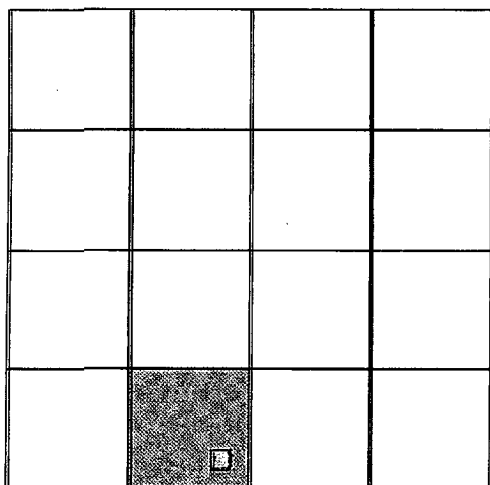
**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	8	17S	29E		330	S	2310	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: 4/8/2010

**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: Bruce Pennell  
 Date of Survey: 2/23/2010  
 Certificate Number: 9062



PO Box 1370  
Artesia, NM 88211-1370  
(575) 748-1288

September 10, 2010

COG, LLC  
Fasken Center, Tower II  
550 West Texas Ave, Suite 1300  
Midland, TX 79701

RE: Hatfield State #8  
330' FSL & 2310' FWL  
Sec. 8, T17S, R29E  
Eddy County, New Mexico

Dear Sir,

The attached is the Deviation Survey for the above captioned well.

Very truly yours,

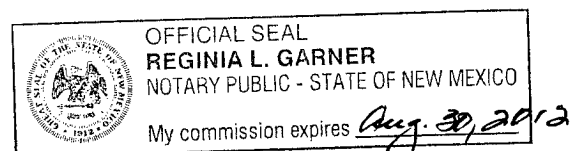
A handwritten signature in black ink, appearing to read "Eddie C. LaRue".

Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 10<sup>th</sup> day of September, 2010.

A handwritten signature in black ink, appearing to read "Regina L. Garner".  
\_\_\_\_\_  
Notary Public



Hatfield State #8

Date	Depth	Dev/Inc
8/30/2010	315	1.00
8/31/2010	763	0.70
9/1/2010	1196	0.40
9/2/2010	1673	0.60
9/2/2010	2151	0.60
9/2/2010	2628	1.20
9/2/2010	2883	0.30
9/3/2010	3361	0.50
9/3/2010	3838	0.40
9/3/2010	4316	0.10
9/4/2010	4793	0.50
9/4/2010	5270	0.25
9/5/2010	5493	0.20