

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

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

WELL API NO.

**30-015-34870**

Indicate Type of Lease

STATE ☒ FEE ☐

State Oil &amp; Gas Lease No.

**302502**SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

**COG Operating LLC**

3. Address of Operator

**550 W. Texas Ave., Suite 1300****Midland, TX 79701**7. Lease Name or Unit Agreement Name  
**HARPER STATE**8. Well Number **010**

9. OGRID Number

**229137**

10. Pool name or Wildcat

**Loco Hills; Glorieta Yeso**

Well Location

Unit Letter **I** : **1650** feet from the **South** line and **990** feet from the **East** line  
Section **16** Township **17S** Range **30E** NMPM County **Eddy**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

**3680' GR**Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type \_\_\_\_\_ Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well \_\_\_\_\_ Distance from nearest surface water \_\_\_\_\_

Pit Liner Thickness: \_\_\_\_\_ mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

## 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐ CHANGE PLANS ☐PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐OTHER: ☐

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐ P AND A ☐CASING/CEMENT JOB ☐OTHER: **Completion** ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

6-25-07 Perf Yeso w/ 2 SPF, 46 holes @ 5530' - 5735'.

6-26-07 Acidize w/ 2500 gals acid.

6-27-07 Frac Yeso 5530' - 5735' w/ 81,085 gals gel, 6,650# LiteProp, 21,250# 16/30 sand.

6-28-07 Perf Yeso w/ 1 SPF, 33 holes @ 5084' - 5391'.

6-29-07 Acidize w/ 2500 gals acid.

7-02-07 Frac 5084' - 5391' w/ 98,036 gals gel, 8000# LiteProp, 90,200# 16/30.

7-03-07 RIH w/ 181 jts 2-7/8" J55 tbg, SN @ 5740'. RIH w/ 2-1/2 x 2 x 20' RHTC pump. Hung well on.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.SIGNATURE Kanicia Carrillo TITLE Regulatory Analyst DATE 7/20/07Type or print name Kanicia Carrillo E-mail address: kcarrillo@conchoresources.com Telephone No. 432-685-4332**For State Use Only**APPROVED BY: FOR RECORDS ONLY TITLE \_\_\_\_\_ DATE JUL 30 2007

Conditions of Approval (if any): \_\_\_\_\_

# 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>1204</b>	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers <b>1504</b>	T. Devonian	T. Menefee	T. Madison
T. Queen <b>2108</b>	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres <b>2824</b>	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta <b>4277</b>	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	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> <b>4337</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. 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

From	To	Thickness In Feet	Lithology

**HARPER STATE #10**  
**API#: 30-015-34870**  
**EDDY, NM**

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

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5084' – 5391'	Acidize w/ 2500 gals acid.
	Frac w/8000# LiteProp , 90,200# 16/30 sd,
	& 98,036 gals gel.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5530' – 5735'	Acidize w/ 2500 gals acid.
	Frac w/6,650# LiteProp, 21,250# 16/30 sd,
	& 81,085 gals gel.

h Dr., Hobbs, NM 88240  
93-6161 Fax:(505) 393-0720

d Ave., Artesia, NM 88210  
48-1283 Fax:(505) 748-9720

os Rd., Aztec, NM 87410  
34-6178 Fax:(505) 334-6170

**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 30342

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone (505) 476-3470 Fax:(505) 476-3462

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-34870	2. Pool Code 96718	3. Pool Name LOCO HILLS, PADDOCK
4. Property Code 302502	5. Property Name HARPER STATE	6. Well No. 010
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3680

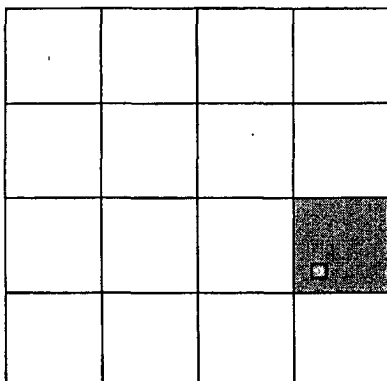
**10. Surface Location**

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

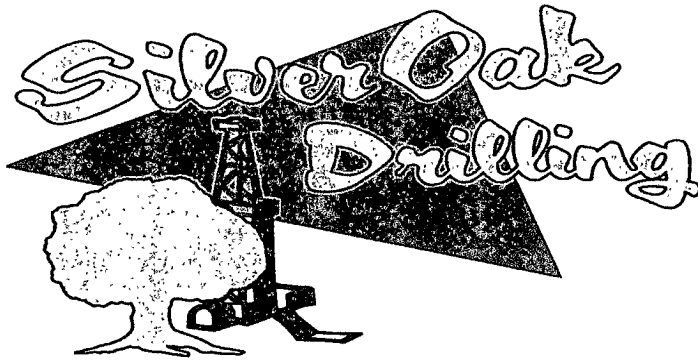
*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this 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: 5/17/2006

**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: Gary Eidson  
Date of Survey: 5/16/2006  
Certificate Number: 12641



PO Box 1370  
Artesia, NM 88211-1370  
(505) 748-1288

June 13, 2007

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

RE: Harper State #10  
1650' FSL & 990' FEL  
Sec. 16, T17S, R30E  
Eddy County, New Mexico

Dear Sir,

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

<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
253'	2°	3033'	1 1/4°
435'	1°	3435'	1 1/4°
635'	3/4°	3920'	2°
950'	1°	4230'	1 1/4°
1243'	1°	4620'	1 1/4°
1815'	1°	5183'	2°
2185'	1 1/2°	5570'	2 1/2°
2578'	1 1/4°		

Very truly yours,

Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 13<sup>th</sup> day of June, 2007.

  
Notary Public