

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 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. 30-015-35658
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Harper State
8. Well Number 12
9. OGRID Number 229137
10. Pool name or Wildcat Loco Hills; Glorieta Yeso 96718

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

Well Location
Unit Letter P : 445 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 _____

NOV 13 2007
OCD-ARTESIA

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.

10/17/07 Perf @ 5670 - 5780, 2 SPF, 48 holes.
10/18/07 Acidize w/ 5,000 gals 15% HCL acid. Frac w/1,776# LiteProp 125 14/30; 24,707# 16/30 white sand.
Perf @ 5430 - 5600, 2 SPF, 36 holes. Frac w/58,572# 16/30 sand.
Perf @ 5150 - 5350, 2 SPF 36 holes. Acidize w/ 2500 gals 15% HCL acid. Frac w/58,642# 16/30 sand.
Perf @ 5000 - 5100, 2 SPF, 36 holes. Acidize w/ 2500 gals 15% HCL acid. Frac w/ 29,855# 16/30 sand.
10/22/07 RIH w/178 jts 2 7/8" tbg, SN @ 5798. RIH w/new 2 1/2x2x24' RHTC pump.
10/24/07 Hang 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 NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE K. Carrillo TITLE Regulatory Analyst DATE 11/06/07

Type 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 OCT 26 2007
Conditions of Approval (if any): _____

HARPER STATE #12
API#: 30-015-35658
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5000 - 5100	Acidize w/ 2,500 gals 15% HCL acid.
	Frac w/ 29,855# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5150 - 5350	Acidize w/ 2,500 gals 15% HCL acid.
	Frac w/ 58,642# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5430 - 5600	Acidize w/ 2,500 gals 15% HCL acid.
	Frac w/ 58,572# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5670 - 5780	Acidize w/ 5,000 gals 15% HCL acid.
	Frac w/ 1,776# LiteProp 14/30
	24,707# 16/30 sand.

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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 54874

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-35658	2. Pool Code 96718	3. Pool Name LOCO HILLS; GLORIETA-YESO
4. Property Code 302502	5. Property Name HARPER STATE	6. Well No. 012
7. OGRID No 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3680

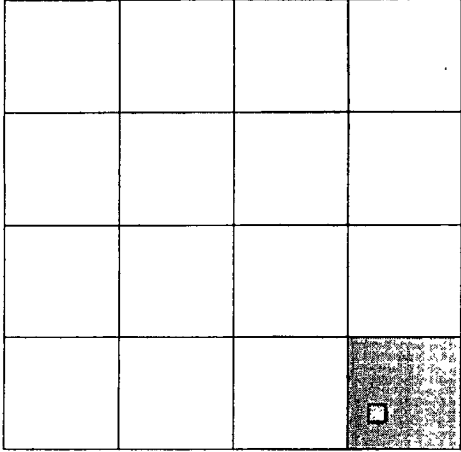
10. Surface Location

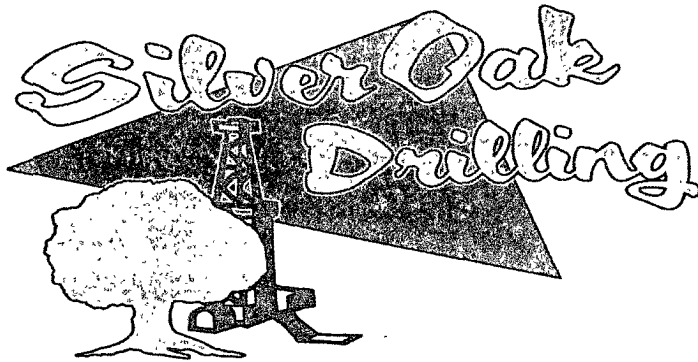
UL - Lot P	Section 16	Township 17S	Range 30E	Lot Idn	Feet From 445	N/S Line S	Feet From 990	E/W Line E	County EDDY
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11. Bottom Hole Location If Different From Surface

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

	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p>E-Signed By: Diane Kuykendall Title: Regulatory Analyst Date: 6/6/2007</p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <p>Surveyed By: Ronald Eidson Date of Survey: 5/30/2007 Certificate Number: 3239</p>
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PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

October 17, 2007

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

RE: Harper State #12
330' FSL & 990' FEL
Sec. 16, T17S, R30E
Eddy County, New Mexico

Dear Sir,

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

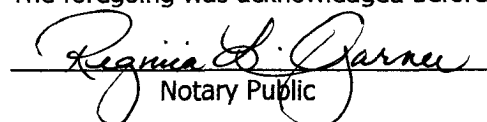
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
256.00	0.75	2429.00	1.00
408.00	0.50	2741.00	1.00
625.00	1.00	3087.00	0.75
869.00	2.00	3394.00	0.75
1058.00	2.25	3674.00	0.50
1152.00	2.00	3956.00	1.00
1255.00	3.00	4270.00	0.75
1335.00	2.00	4531.00	0.75
1620.00	2.00	4928.00	1.25
1900.00	2.50	5738.00	1.00
2130.00	0.75	6200.00	1.25

Very truly yours,


Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 17th day of October, 2007.


Notary Public

