

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies <u>District I</u> 1625 N French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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-105 Revised June 10, 2003 WELL API NO. 30-015-36095 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> State Oil & Gas Lease No.	
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 _____ 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;">Harper State</p>	
2 Name of Operator <p style="text-align: center;">COG Operating LLC</p>				8 Well No. <p style="text-align: center;">016</p>	
3 Address of Operator <p style="text-align: center;">550 W. Texas Ave., Suite 1300 Midland, TX 79701</p>				9 Pool name or Wildcat <p style="text-align: center;">Loco Hills; Glorieta Yeso 96718</p>	
4 Well Location Unit Letter <u>N</u> <u>835</u> Feet From The <u>South</u> Line and <u>1650</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 04/25/08		11 Date T D Reached 05/08/08		12 Date Compl. (Ready to Prod.) 05/28/08	
13 Elevations (DF& RKB, RT, GR, etc) 3666		14 Elev Casinghead			
15 Total Depth 6038		16 Plug Back T.D 5989		17 If Multiple Compl How Many Zones? X	
18 Intervals Drilled By				19 Producing Interval(s), of this completion - Top, Bottom, Name 4960 - 5700 Yeso	
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	
13 3/8		48		432	
8 5/8		32		1238	
5 1/2		17		6037	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
17 1/2		475 sx C		Circ 55	
12 1/4		600 sx C		Circ 167	
7-7/8		1100 sx C		Circ 227	
24 LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
25. TUBING RECORD					
SIZE	DEPTH SET	PACKER SET			
2-7/8	4879				
26 Perforation record (interval, size, and number)			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
4960 - 5160 - 2 SPF, 36 holes OPEN			DEPTH INTERVAL		
5230 - 5430 - 1 SPF, 36 holes OPEN			AMOUNT AND KIND MATERIAL USED		
5500 - 5700 - 2 SPF, 48 holes OPEN			4960 - 5160 See attachment		
			5230 - 5430 See attachment		
			5500 - 5700 See attachment		
28 PRODUCTION					
Date First Production 06/03/08		Production Method (Flowing, gas lift, pumping - Size and type pump) 2-1/2 x 2 x 20' RHTC pump			Well Status (Prod. or Shut-in) Producing
Date of Test 06/07/08	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 85	Gas - MCF 139
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl 357
				Oil Gravity - API - (Corr) 37.9	Gas - Oil Ratio 1635
29 Disposition of Gas (Sold, used for fuel, vented, etc) Sold					Test Witnessed By Kent Greenway
30 List Attachments Logs, 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 Kcarrillo		Printed Name Kanicia Carrillo		Title Regulatory Analyst	Date 07/18/08
E-mail Address kcarrillo@conchoresources.com					

HARPER STATE #16
API#: 30-015-36095
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4960 - 5160	Acidize w/ 2,500 gals 15% HCL acid.
	Frac w/ 66,956 gals gel,24,988# SiberProp,
	68,616# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5230 - 5430	Acidize w/ 3,500 gals 15% HCL acid
	Frac w/ 65,907 gals gel,22,550# SiberProp,
	67,050# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5500 - 5700	Acidize w/ 3,500 gals 15% HCL acid.
	Frac w/ 65,887 gals gel,21,740# SiberProp,
	67,750# 16/30 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 67867**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-36095	2. Pool Code 96718	3. Pool Name LOCO HILLS; GLORIETA-YESO
4. Property Code 302502	5. Property Name HARPER STATE	6. Well No 016
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3666

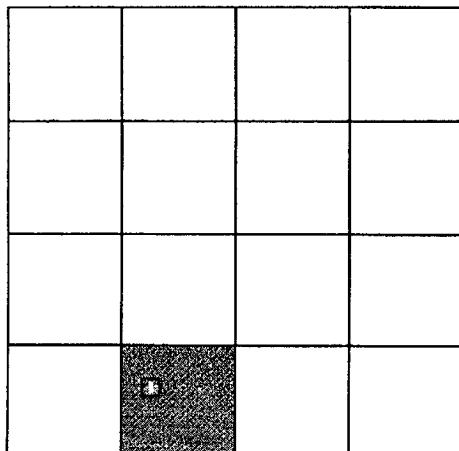
10. Surface Location

UL - Lot N	Section 16	Township 17S	Range 30E	Lot Idn	Feet From 835	N/S Line S	Feet From 1650	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: 2/6/2008

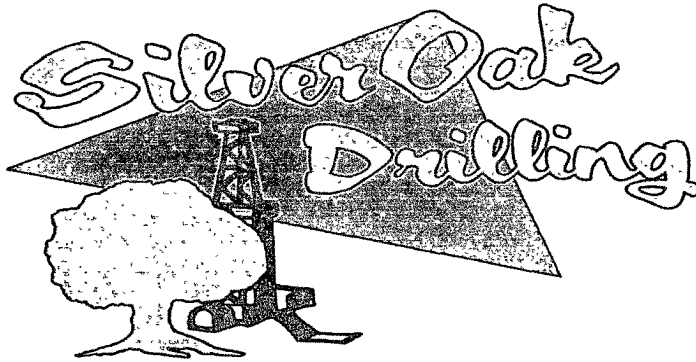
SURVEYOR CERTIFICATION

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: 1/29/2008

Certificate Number: 3239



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

May 15, 2008

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

RE: Harper State #16
835' FSL & 1650' FWL
Sec. 16, T17S, R30E
Eddy, 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>
409.00	1.00	3005.00	1.00
562.00	1.00	3100.00	1.00
712.00	1.00	3259.00	1.00
870.00	1.00	3609.00	1.00
1029.00	1.00	3895.00	0.75
1225.00	1.00	4309.00	1.00
1479.00	1.00	4659.00	1.00
1893.00	0.75	5103.00	1.00
2305.00	0.25	5517.00	1.00
2655.00	0.50		

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 15th day of May, 2008.

Notary Public