

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		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. <div style="text-align: center;">30-015-35657</div>									
		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 <div style="text-align: center;">Harper State</div>									
2 Name of Operator <div style="text-align: center;">COG Operating LLC</div>				8. Well No <div style="text-align: center;">013</div>									
3. Address of Operator <div style="text-align: center;">550 W. Texas Ave., Suite 1300 Midland, TX 79701</div>				9 Pool name or Wildcat <div style="text-align: center;">Loco Hills; Glorieta Yeso 96718</div>									
4 Well Location <div style="text-align: center;"> Unit Letter <u>N</u> <u>330</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 </div>													
10 Date Spudded <div style="text-align: center;">11/15/07</div>		11 Date T D Reached <div style="text-align: center;">11/25/07</div>		12 Date Compl. (Ready to Prod.) <div style="text-align: center;">12/27/07</div>									
13. Elevations (DF& RKB, RT, GR, etc) <div style="text-align: center;">3666 GR</div>		14. Elev Casinghead		15 Total Depth <div style="text-align: center;">6220</div>									
16 Plug Back T D <div style="text-align: center;">6174</div>		17 If Multiple Compl How Many Zones?		18. Intervals Drilled By <div style="text-align: center;">X</div>									
19 Producing Interval(s), of this completion - Top, Bottom, Name <div style="text-align: center;">4300 - 5590 Yeso</div>				20 Was Directional Survey Made <div style="text-align: center;">No</div>									
21. Type Electric and Other Logs Run <div style="text-align: center;">CN / HNGS, Micro CFL / HNGS</div>				22. Was Well Cored <div style="text-align: center;">No</div>									
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	458	17 1/2	475	Circ 127								
8 5/8	32	1342	12 1/4	800	Circ 181								
5 1/2	17	6220	7-7/8	1200	Circ 202								
24. LINER RECORD													
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN									
25. TUBING RECORD													
SIZE	DEPTH SET	PACKER SET											
2-7/8	5593												
26. Perforation record (interval, size, and number) 4300 - 4674 - 2 SPF, 35 holes OPEN 4880 - 4980 - 1 SPF, 36 holes OPEN 5050 - 5250 - 2 SPF, 36 holes OPEN 5390 - 5590 - 2 SPF, 48 holes OPEN													
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">DEPTH INTERVAL</th> <th style="text-align: center;">AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td style="text-align: center;">4300 - 4674</td> <td style="text-align: center;">See attachment</td> </tr> <tr> <td style="text-align: center;">4880 - 4980</td> <td style="text-align: center;">See attachment</td> </tr> <tr> <td style="text-align: center;">5050 - 5250</td> <td style="text-align: center;">See attachment</td> </tr> </table>						DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	4300 - 4674	See attachment	4880 - 4980	See attachment	5050 - 5250	See attachment
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED												
4300 - 4674	See attachment												
4880 - 4980	See attachment												
5050 - 5250	See attachment												
28. PRODUCTION 5390 - 5590 See attachment													
Date First Production <div style="text-align: center;">01/03/08</div>		Production Method (Flowing, gas lift, pumping - Size and type pump) <div style="text-align: center;">2-1/2 x 2 x 20' RHTC pump</div>		Well Status (Prod or Shut-in) <div style="text-align: center;">Producing</div>									
Date of Test <div style="text-align: center;">01/27/08</div>	Hours Tested <div style="text-align: center;">24</div>	Choke Size	Prod'n For Test Period	Oil - Bbl <div style="text-align: center;">55</div>	Gas - MCF <div style="text-align: center;">67</div>								
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl. <div style="text-align: center;">272</div>								
					Oil Gravity - API - (Corr) <div style="text-align: center;">37.7</div>								
29. Disposition of Gas (Sold, used for fuel, vented, etc.) <div style="text-align: center;">Sold</div>					Test Witnessed By <div style="text-align: center;">Kent Greenway</div>								
30 List Attachments <div style="text-align: center;">Logs, C103, Deviation Report, C104</div>													
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 clance@conchoresources.com		Printed Name Kanicia Carrillo		Title Regulatory Analyst Date 02/07/08									

HARPER STATE #13
API#: 30-015-35657
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4300 - 4674	Acidize w/ 4,200 gals 15% HCL acid.
	Frac w/ 46,838 gals gel, 7,592# LiteProp
	10,330# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4880 - 4980	Acidize w/ 5,798 gals 15% HCL acid.
	Frac w/ 37,034 gals gel,
	48,378# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5050 - 5250	Acidize w/ 5,882 gals 15% HCL acid.
	Frac w/ 57,834 gals gel,
	92,258# 16/30 sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5390 - 5590	Acidize w/ 5,504 gals 15% HCL acid.
	Frac w/ 58,590 gals gel, 10,507# SiberProp
	54,786# 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 54877

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-35657	2. Pool Code 96718	3. Pool Name LOCO HILLS; GLORIETA-YESO
4. Property Code 302502	5. Property Name HARPER STATE	6. Well No. 013
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3666

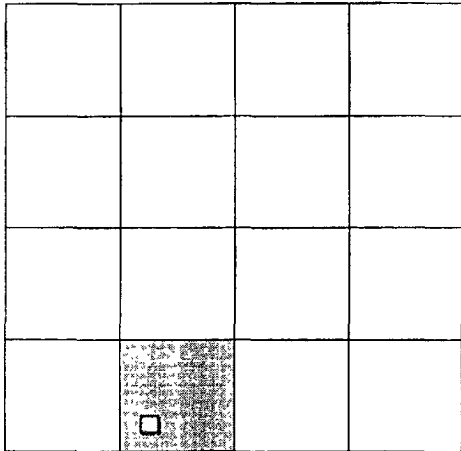
10. Surface Location

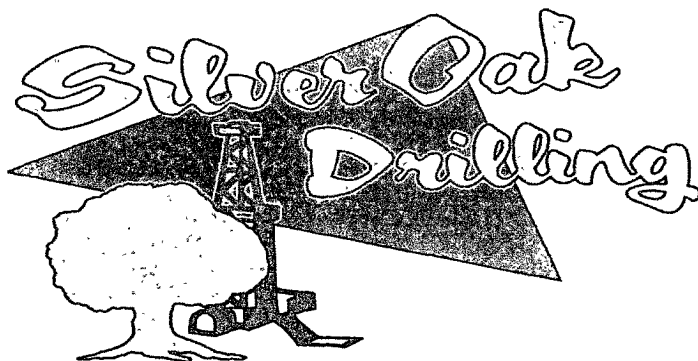
UL - Lot N	Section 16	Township 17S	Range 30E	Lot Idn	Feet From 330	N/S Line S	Feet From 1650	E/W Line W	County EDDY
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11. Bottom Hole Location If Different From Surface

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

	<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: 5/29/2007 Certificate Number: 3239</p>
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PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

November 29, 2007

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

RE: Harper State #13
330' FSL & 1650' FWL
Sec. 16, T17S, R30E
Eddy County, New Mexico

Dear Sir,

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

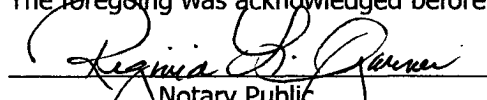
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
263.00	0.25	2654.00	0.50
355.00	0.25	2954.00	0.25
547.00	1.00	3290.00	0.75
827.00	0.75	3654.00	0.25
1050.00	0.75	3954.00	0.75
1240.00	1.00	4300.00	0.50
1440.00	1.50	4590.00	0.50
1724.00	1.00	4905.00	1.00
2050.00	1.00	5229.00	0.50
2334.00	0.75	5566.00	0.50

Very truly yours,


Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 29th day of November, 2007.


Notary Public

