

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 03 2008

OCD-ARTESIA

FORM APPROVED
OMB NO 1004-0137
Expires March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5 Lease Serial No NMLC-029338B							
b Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff' Resvr, Other Recompletion & Commingle DHC-4039		6 If Indian, Allottee or Tribe Name							
2 Name of Operator COG Operating LLC		7 Unit or CA Agreement Name and No							
3 Address 550 W. Texas, Ste.1300 Midland, Texas 79701		8 Lease Name and Well No Harvard Federal #7							
3a Phone No (include area code) 432-685-4332		9 AFI Well No 30-015-35055							
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1090 FNL & 330 FWL, Unit D At top prod interval reported below At total depth		10 Field and Pool, or Exploratory Loco Hills; Glorieta-Yeso 96718 11 Sec, T, R, M, on Block and Survey or Area Sec.12,T17S, R30E 12 County or Parish Eddy 13 State NM							
14 Date Spudded 10/12/2006	15 Date T D Reached 10/31/2006	16 Date Completed 07/22/2008 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod	17 Elevations (DF, RKB, RT, GL)* 3756 GL						
18. Total Depth MD 6235 TVD	19 Plug Back T D MD 6214 TVD	20 Depth Bridge Plug Set MD TVD							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Spectral Gamma Ray		22 Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)							
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt (#/ft)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No of Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8	48		425		928 sxs		Surface	
12 1/4	8 5/8	24		1584		800 sxs		Surface	
7 7/8	5 1/2	17		6227		1590 sxs		Surface	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 7/8	5634								
25. Producing Intervals					26. Perforation Record				
Formation		Top	Bottom	Perforated Interval		Size	No Holes	Perf' Status	
A) San Andres (New)		3510	3710	3510 - 3710		.041	36	Open	
B) San Andres (New)		3780	3980	3780 - 3980		.041	36	Open	
C) San Andres (New)		4050	4520	4050 - 4520		.041	72	Open	
D) Yeso (Existing)		5037.5	5629.5	5037.5 - 5629.5		.041	112	Open	
27. Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval		Amount and Type of Material							
3510 - 3710		Acidize w/3500 gal 15% acid. Frac w/64,004 gal gel; 60,400# 16/30 white sand; 29,600# 16/30 CRC sand.							
3780 - 3980		Acidize w/3500 gal 15% acid. Frac w/62,864 gal gel; 68,400# 16/30 white sand; 22,870# 16/30 CRC sand.							
4050 - 4250		Acidize w/3500 gal 15% acid. Frac w/77,689 gal gel; 70,174# 16/30 white sand; 23,210# 16/30 CRC sand.							
4320 - 4520		Acidize w/3500 gal 15% acid. Frac w/61,204 gal gel; 69,050# 16/30 white sand; 27,500# 16/30 CRC sand.							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
	24		→				37.9		
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					Shut In	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-35055		² Pool Code 28509		³ Pool Name Grayburg Jackson SR; Queen Grayburg SA	
⁴ Property Code 302440		⁵ Property Name Harvard Federal			⁶ Well Number 7
⁷ OGRID No. 229137		⁸ Operator Name COG OPERATING LLC			⁹ Elevation 3756

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	17S	30E		1090	North	330	West	Eddy

¹¹ Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D.	12	17S	30E		991	North	346	West	Eddy

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

				¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature Kanicia Carrillo Printed Name Regulatory Analyst Title and E-mail Address 04/09/08 Date
				¹⁸ SURVEYOR CERTIFICATION <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> Referred Original Plat Date of Survey Signature and Seal of Professional Surveyor
				Certificate Number

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	<div><div>17</div><div>OPERATOR CERTIFICATION</div><div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</div><div></div><div>Signature</div><div>Kanicia Carrillo</div><div>Printed Name</div><div>Regulatory Analyst</div><div>Title and E-mail Address</div><div>04/09/08</div><div>Date</div></div>	
	<div><div>18</div><div>SURVEYOR CERTIFICATION</div><div>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.</div><div>Referred Original Plat</div><div>Date of Survey</div><div>Signature and Seal of Professional Surveyor</div><div>Certificate Number</div></div>	