

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"/> Drill Restr. Other Recompletion & Commingle DHC-4033		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	3a Phone No (include area code) 432-685-4332	8 Lease Name and Well No Harvard Federal #6							
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2310 FNL & 330 FWL, Unit E At top prod interval reported below At total depth		9 AFI Well No 30-015-35124							
14 Date Spudded 09/25/2006		10 Field and Pool or Exploratory Loco Hills; Glorieta-Yeso 96718							
15 Date T.D. Reached 10/10/2006		11 Sec., T., R., M. on Block and Survey or Area Sec.12, T17S, R30E							
16 Date Completed 07/17/2008 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		12 County or Parish Eddy 13 State NM							
17 Elevations (DF, RKB, RT, GL)* 3744' GL									
18. Total Depth MD 6250 TVD	19 Plug Back T.D. MD 5725 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		439		980 sxs		Surface	
12 1/4	8 5/8	24		1571		800 sxs		Surface	
7 7/8	5 1/2	17		6150		1430 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	5681								
25 Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status			
A) San Andres (New)	3190	3660	3190 - 3660	.041	72	Open			
B) San Andres (New)	3730	3930	3730 - 3930	.041	36	Open			
C) San Andres (New)	4000	4490	4000 - 4490	.041	72	Open			
D) Yeso (Existing)	5044.5	5912	5044.5 - 5912	.041	152	Open			
26 Perforation Record									
27 Acid, Fracture, Treatment, Cement Squeeze, etc									
Depth Interval	Amount and Type of Material								
3190 - 3390	Acidize w/2500 gal 15% acid. Frac w/56,000 gal gel; 72,609# 16/30 white sand; 35,000# 16/30 CRC sand.								
3460 - 3660	Acidize w/2500 gal 15% acid. Frac w/59,000 gal gel; 74,344# 16/30 white sand; 21,000# 16/30 CRC sand.								
3730 - 3930	Acidize w/2500 gal 15% acid. Frac w/59,000 gal gel; 74,188# 16/30 white sand; 21,000# 16/30 CRC sand.								
4000 - 4200, 4290 - 4490	Acidize w/5000 gal 15% acid. Frac w/119,000 gal gel; 153,383# 16/30 white sand; 42,000# 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
			→						
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)

28b Production - Interval C

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	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c Production - Interval D

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	Csg Press.	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers)

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31 Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc	Name	Top
					Meas Depth
				Lamar	1530'
				Bell Canyon	1598'
				Cherry Canyon	2714'
				Brushy Canyon	3640'
				Bone Spring	4976'
				Wolfcamp	8009'
				Strawn	10,090'
				Atoka	10,570'
				Morrow	10,810'

32. Additional remarks (include plugging procedure)

33 Indicate which items have been attached by placing a check in the appropriate boxes

- ☒ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
☐ Core Analysis
☒ Other Deviation Survey

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

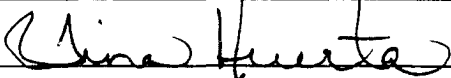
Name (please print)

Tina Huerta

Title

Regulatory Compliance Supervisor

Signature



Date

September 23, 2008

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction