

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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 NMNM14840
b Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr, Other _____		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. White Star Federal 15
3a Phone No (include area code) 432-685-4395		9 AFI Well No 30-015-31532 SI
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 990' FNL & 2310' FEL At top prod interval reported below At total depth Same		10 Field and Pool, or Exploratory Empire; Glorieta-Yeso, East
14 Date Spudded 01/15/2001		11 Sec, T, R, M, on Block and Survey or Area Sec.29, T17S, R29E, Unit B
15 Date T D Reached 06/28/2008		12 County or Parish Eddy
16 Date Completed 08/08/2008 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		13 State NM
17 Elevations (DF, RKB, RT, GL)* 3619' GR		
18. Total Depth. MD 5658' TVD	19. Plug Back T D. MD 4812' TVD	20 Depth Bridge Plug Set. MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL		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#		355		350 sxs			None
12 1/4	8 5/8	24#		871		425 sxs			None
7 7/8	5 1/2	17#		4411		855 sxs			None
4 3/4	4	11.3#		5637'		100 sxs C		4304'	None

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	4261							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Yeso	3930	4174	3930'-4174'		87	closed
B) Yeso	4610	5410	4610'-5410'		106	open
C)						
D)						

26 Perforation Record

27 Acid, Fracture, Treatment, Cement Squeeze, etc

Depth Interval	Amount and Type of Material
4610'-4802'	Acidize w/2500 gal 15%. Frac w/206,000 gal Lghtng 2000 gel; 272,215# wht sand; 47,369# SiberProp.FI w/base gel.
4910'-5110'	Acidize w/2500 gal 15%. Frac w/128,000 gal.20# Lghtng gel; 149,508# 16/30 wht; 34,447# 16/30 SibrPrp.FI w/B.gI
5210'-5410'	Acidize w/2500 gal 15% HCL. Frac w/16,000 gal gel; 5800 gal gel carrying 1450# 16/30 sand.

28 Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Cwt 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	

28a Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Cwt API	Gas Gravity	Production Method
08/08/2008	08/12/2008	24	→	3	32	54	38.8		2-1/2" Borehole Pump
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

ACCEPTED FOR RECORD

SEP 6 2008

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ENVIRONMENTAL MGMT
OFFICE

APR 26 AM 7:35

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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 SI	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 SI	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
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Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Yeso	3888	5410		Queen	1667
				San Andres	2356
				Glorieta	3804

32. Additional remarks (include plugging procedure):

06-21-08 Cmt. Squeeze Perfs @ 3930'-4174' w/500 sxs Class C w/2% CaCl. Squeezed to 2500. Sting out of retainer & reverse out 38 sxs cmt. to pit. Pressure up on pipe rams to 1000# & held for 30 min. Held good. POOH w/tbg & setting tool. Close blind rams. Pressure Blind Rams to 1000# for 30 minutes. Held good.

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

UBL, 3160-S, 3160-S ATTACHMENT

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) Carol Ann Lance Title Regulatory Analyst
 Signature Carol Ann Lance Date 08/14/2008

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