

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No.
NMNM96836

1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr Other _____			7 Unit or CA Agreement Name and No		
2 Name of Operator COG OPERATING LLC			Contact CHASITY JACKSON E-Mail: cjackson@concho.com		
3. Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701			3a Phone No (include area code) Ph: 432-686-3087		
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NESW 2500FSL 2310FWL 32.804606 N Lat, 104.232798 W Lon At top prod interval reported below NESW 2500FSL 2310FWL 32.804606 N Lat, 104.232798 W Lon At total depth NESW 2500FSL 2310FWL 32.804606 N Lat, 104.232798 W Lon			8 Lease Name and Well No. SPRUCE FEDERAL 2		
14. Date Spudded 11/18/2011			15 Date T D Reached 11/23/2011		
16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/21/2011			9 API Well No 30-015-39463-00-S1		
18 Total Depth MD 4730 TVD 4730			19. Plug Back T.D.: MD 4667 TVD 4667		
20. Depth Bridge Plug Set: MD TVD			10 Field and Pool, or Exploratory RED LAKE		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUT MCFLHNGS			11. Sec, T, R, M, or Block and Survey or Area Sec 25 T17S R27E Mer NMP		
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 analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)			12. County or Parish EDDY		
			13 State NM		
			17. Elevations (DF, KB, RT, GL)* 3566 GL		

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 Sk. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	401		400		0	
11.000	8.625 J-55	24.0	0	1038		400		0	
7.875	5.500 J-55	17.0	0	4720		900			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4422							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	3180	4500	3180 TO 3430	0.410	26	OPEN, Paddock
B)			3630 TO 3880	0.410	26	OPEN, Upper Blinbry
C)			3940 TO 4190	0.410	26	OPEN, Middle Blinbry
D)			4250 TO 4500	0.410	26	OPEN, Lower Blinbry

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
3180 TO 3430	ACIDIZE W/2,500 GALS 15% ACID
3180 TO 3430	FRAC W/94,402 GALS GEL, 115,124# 16/30 WHITE SAND, 17,557# 16/30 SIBERPROP
3630 TO 3880	ACIDIZE W/3,500 GALS 15% ACID.
3630 TO 3880	FRAC W/113,739 GALS GEL, 145,954# 16/30 BROWN SAND, 30,549# 16/30 SIBERPROP

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
12/22/2011	01/05/2012	24	→	107.0	78.0	656.0	39.4	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
		70.0	→	107	78	656	729	POW	

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 reverse side)

ELECTRONIC SUBMISSION #129269 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

FEB 4 2012

ACCEPTED FOR RECORD

RECLAMATION

DUE 6-21-12

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

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
YATES QUEEN SAN ANDRES GLORIETA YESO TUBB	197 958 1737 3100 3134 4608		DOLOMITE & SAND DOLOMITE & SANDSTONE DOLOMITE & LIMESTONE SANDSTONE SANDSTONE & DOLOMITE DOLOMITE & SANDSTONE	YATES	197

32. Additional remarks (include plugging procedure)

44. Continued...

3940-4190 ACIDIZE W/3,500 GALS 15% ACID.

3940-4190 FRAC W/112,251 GALS GEL, 141,145# 16/30 BROWN SAND, 31,752# 16/30 SIBERPROP.

4250-4500 ACIDIZE W/3,500 GALS 15% ACID.

4250-4500 FRAC W/112,706 GALS GEL, 150,438# 16/30 BROWN SAND, 29,797# 16/30 SIBERPROP.

33. Circle enclosed attachments

1 Electrical/Mechanical Logs (1 full set req'd.)

2. Geologic Report

3 DST Report

4 Directional Survey

5 Sundry Notice for plugging and cement verification

6 Core Analysis

7 Other

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

Electronic Submission #129269 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by DEBORAH MCKINNEY on 01/31/2012 (12DLM0492SE)

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 01/26/2012

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

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **