

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☒ Other: OTH
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator **COG OPERATING LLC** Contact: **NATALIE KRUEGER**
E-Mail: **nkrueger@conchoresources.com**

3. Address **550 WEST TEXAS AVENUE SUITE 100** 3a. Phone No. (include area code)
MIDLAND, TX 79701-4287 Ph: **432-231-0300**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **NESW Lot K 1980FSL 1980FWL 32.84731 N Lat, 104.06481 W Lon**
At top prod interval reported below **NESW Lot K 1980FSL 1980FWL 32.84731 N Lat, 104.06481 W Lon**
At total depth **NESW Lot K 1980FSL 1980FWL 32.84731 N Lat, 104.06481 W Lon**

14. Date Spudded **07/20/2010** 15. Date T.D. Reached **08/08/2010** 16. Date Completed
☐ D & A ☒ Ready to Prod. **10/07/2010**

17. Elevations (DF, KB, RT, GL)*
3583 GL

18. Total Depth: MD **9200** TVD **9200** 19. Plug Back T.D.: MD **9200** TVD **9200** 20. Depth Bridge Plug Set: MD **9200** TVD **9200**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATEDNEUT

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit analysis)

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	203		450		0	
12.250	9.625 J-55	36.0	0	2562		1000		0	
7.875	7.000 P-110	26.0	0	9178		1250		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
3.500	8618	8603						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) CISCO	8682	8910	8682 TO 8694	0.410	48	OPEN
B)			8717 TO 8730	0.410	52	OPEN
C)			8794 TO 8910	0.410	232	OPEN
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8682 TO 8730	5000 GALS ACID
8682 TO 8910	103,530 GALS ACID, 3 STAGES OF 5000# SALT BLOCK, FLUSH W/ 20,496 GALS FW
8794 TO 8910	5000 GALS ACID

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	
			→						

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 #94994 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

SWD-1213

RECEIVED
OCT 19 2010

ACCEPTED FOR RECORD
NMOC DARTESIA

OCT 17 2010

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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.)

UNKNOWN

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	931		DOLOMITE & SAND	YATES		931
QUEEN	1797		SAND	QUEEN		1797
SAN ANDRES	2498		DOLOMITE & ANHYDRITE	SAN ANDRES		2498
GLORIETA	3891		SAND & DOLOMITE	GLORIETA		3891
YESO	3977		DOLOMITE & ANHYDRITE			
TUBB	5373					

32. Additional remarks (include plugging procedure):

Logs will be sent via mail.

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 #94994 Verified by the BLM Well Information System.

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by CHERYLE RYAN on 10/15/2010 (11CMR0061SE)

Name (please print) NATALIE KRUEGER

Title PREPARER

Signature (Electronic Submission)

Date 10/15/2010

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 **

WELL NAME AND NUMBER Empire State SWD #3 30-015-37831
LOCATION Section 10, T17S, R29E, 1980 FSL, 1980 FWL, Eddy County
OPERATOR COG Operating LLC
DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
.5 @ 203'	.4 @ 2936'	.7 @ 6230'
.6 @ 239'	.4 @ 3093'	.5 @ 6484'
.7 @ 395'	.5 @ 3308'	.5 @ 6675'
1 @ 550'	.7 @ 3508'	.7 @ 7120'
1.5 @ 707'	.6 @ 3794'	.6 @ 7311'
1.3 @ 800'	.7 @ 4046'	.6 @ 7828'
1.1 @ 968'	.9 @ 4271'	3.75 @ 8213'
.2 @ 1215'	.6 @ 4492'	3 @ 8463'
.4 @ 1406'	.7 @ 4747'	2.50 @ 8721'
.6 @ 1635'	.5 @ 4938'	
.7 @ 1819'	.6 @ 5118'	
.5 @ 1884'	.6 @ 5319'	
.4 @ 2049'	.8 @ 5488'	
.3 @ 2264'	.3 @ 5659'	
.3 @ 2454'	.7 @ 5849'	
.7 @ 2750'	.8 @ 6049'	

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega
(Luisa Noriega)

Title: Assistant Office Manager

Subscribed and sworn to before me this 31st day of Aug, 2010.

Carlene Marten
Notary Public
Chaves N.M.
County State

My Commission Expires: 10/8/12