

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM93205

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

8. Well Name and No.  
ICE DANCER 30 FEDERAL COM 2H

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
COG OPERATING LLC

Contact: MAYTE X REYES  
E-Mail: mreyes1@concho.com

9. API Well No.  
30-015-39473

3a. Address  
2208 WEST MAIN STREET  
ARTESIA, NM 88210

3b. Phone No. (include area code)  
Ph: 575-748-6945

10. Field and Pool, or Exploratory  
FORTY NINER RIDGE; BS, W

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 30 T23S R30E SWSE 475FSL 1890FEL

11. County or Parish, and State  
EDDY COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Change to Original APD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC, respectfully requests approval for the following drilling changes to the original approved APD.

Drilling changes attached.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

SEP 21 2015

RECEIVED

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

DD 9/23/15  
Accepted for record  
NMOCD

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #316231 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by KENNETH RENNICK on 09/14/2015 ()

Name (Printed/Typed) MAYTE X REYES Title REGULATORY ANALYST

Signature (Electronic Submission) Date 09/14/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office \_\_\_\_\_

**APPROVED**

**PETROLEUM ENGINEER**  
SEP 14 2015

**Kenneth Rennick**

**BUREAU OF LAND MANAGEMENT**  
CARLSBAD SUB OFFICE

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 or attempt to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

**COG Operating LLC Ice Dancer 30 Federal Com 2H**

Due to losses while drilling the production hole, COG Operating, LLC respectfully requests the following modifications to the approved drilling plan.

**Cementing Program**

Change to a two stage cement design for the 5-1/2" casing setting the stage tool at ~ 6700'. Estimated total depth is 14739'. 9-5/8" intermediate casing is set at 3342'.

Casing	# Sks	Wt. lb/gal	Yld ft <sup>3</sup> /sack	H <sub>2</sub> O gal/sk	500# Comp. Strength (hours)	Slurry Description
Prod. Stg 1	340	10.3	3.52	21.3	75	Lead: Halliburton Tuned Lite w/ 2# kolseal, 1.5# salt, 1/4# D-Air 5000, 1/8# PEF, etc
	1170	14.4	1.25	5.7	22	Tail: 50:50:2 H blend (FR, Retarder, FL adds as necessary)
Prod. Stg 2	700	10.3	3.52	21.3	75	Lead: Halliburton Tuned Lite w/ 2# kolseal, 1.5# salt, 1/4# D-Air 5000, 1/8# PEF, etc
	100	14.8	1.33	6.4	18	Tail: C neat

Casing String	TOC	% Excess
Production – Stg 1	6700'	30%
Production – Stg 2	0'	98%

\*Production cement is designed to circulate cement on both stages..

**PECOS DISTRICT  
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	COG OPERATING LLC
LEASE NO.:	NMNM93205
WELL NAME & NO.:	ICE DANCER 30 FEDERAL COM -2H
SURFACE HOLE FOOTAGE:	475' FSL & 1890' FEL
BOTTOM HOLE FOOTAGE:	375' FNL & 1980' FEL
LOCATION:	Section 30, T. 23 S., R 30 E., NMPM
COUNTY:	Eddy County, New Mexico

**Original COA still applies except of the portion for the cement filled for production casing within the Casing Section of the approved Drilling Program (VII. B. 3).  
That portion has been replaced with the following condition:**

**VII. B. 3.** The minimum required fill of cement behind the 5-1/2 inch production casing is:

**Operator has proposed DV tool at depth of 6700 feet. Operator is to submit sundry if DV tool depth varies by more than 100 feet from approved depth.**

a. First stage to DV tool:

- Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

b. Second stage above DV tool:

- Cement to surface. If cement does not circulate, contact the appropriate BLM office.