

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 31 2013

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.
NNNM104667
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit or CA/Agreement, Name and/or No.
2. Name of Operator COG OPERATING LLC Contact: BRIAN MAIORINO E-Mail: bmaiorino@concho.com		8. Well Name and No. TUNA 28 FEDERAL 1
3a. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-221-0467	9. API Well No. 30-015-37645
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 28 T26S R25E NENE 1300FNL 660FEL		10. Field and Pool, or Exploratory BONE SPRING
		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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<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 recompleate 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 recompleation 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 request to abandon the Morrow and recompleate the Tuna 28 Federal #1 in the Bone Spring. Please see attached current and proposed well bore diagrams

Test anchors if necessary
MIRU
Kill well if necessary.
Install back pressure valve.
Remove wellhead & install BOP.
Attempt to release from on/off tool. (If cannot release, punch hole in tubing, and if necessary, cut off)
Pull tubing and visually inspect. If necessary, utilize workstring
TIH with tubing open ended

**SUBJECT TO LIKE
APPROVAL BY STATE**
Accepted for record
NMOCD

TCS
5/31/2013

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #206913 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by JOHNNY DICKERSON on 05/10/2013 ()	
Name (Printed/Typed) BRIAN MAIORINO	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 05/09/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____
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
MAY 24 2013
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

Additional data for EC transaction #206913 that would not fit on the form

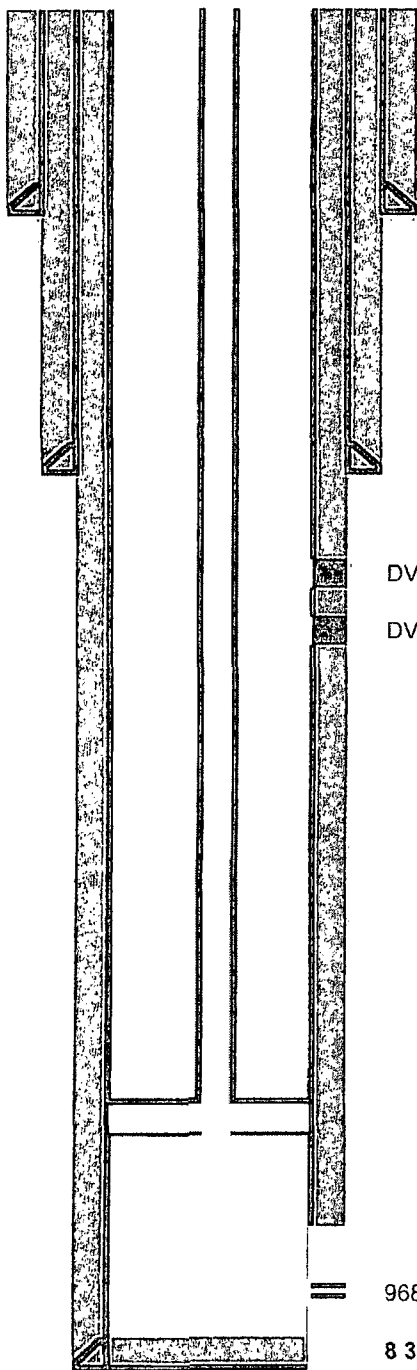
32. Additional remarks, continued

Spot Class H cement mixed at 16.4# gal from 9300 ? 9500 (Morrow top @ 9408?)
Circulate well clean
Spot Class H cement mixed at 16.4# gal from 7600 ? 7800 (Wolfcamp top @ 7525? but bottom Bone Spring perf @ 7505?)
Circulate well clean & TOH
Pressure test casing to 6500 psi
Perforate 3rd Bone Spring @ 7505? (16 holes), 7411? (16 holes) and 7352? (10 holes) and 7306? (10 holes) w/6 spf, 60o phasing utilizing Halliburton cased hole log dated 6/21/10.
TIH w/tubing & packer. Spot acid across perms. Set packer at 7250?
Acidize zone with 3000 gallons 15% HCl at 3 ? 5 BPM while dropping balls
Shut-in 1 hour & flow back
Pull tubing and packer
Set frac valve & prepare for frac.
Frac well utilizing attached procedure.
Set flow through composi plug at 6700?
Perforate Charkey Sand @ 6865? (14 holes), 6775? (16 holes) and 6716? (10 holes) and 6664? (12 holes) w/6 spf, 60o phasing utilizing Halliburton cased hole log dated 6/21/10.
Frac well utilizing attached procedure.
Set flow through composi plug at 6300?
Perforate 2nd Bone Spring @ 6206? (16 holes), 6130? (16 holes), 6057? (10 holes), and 6003? (10 holes) w/6 spf, 60o phasing utilizing Halliburton cased hole log dated 6/21/10.
Frac well utilizing attached procedure.
Set flow through composi plug at 5710?
Perforate 1st Bone Spring @ 5614? (16 holes), 5556? (10 holes), 5502? (10 holes), and 5449? (14 holes) w/6 spf, 60o phasing utilizing Halliburton cased hole log dated 6/21/10.
Frac well utilizing attached procedure.
Shut-in well for 24 hours
Flow well back until dead.
TIH with tubing and drill out plugs. TOH
TIH with tubing & gas lift equipment.
Place well on test

Author:	Stroup	Well No	#1
Well Name	Tuna 28 Fed	API #.	30-015-37645
Field	Milepost	Prop #	
County	Eddy	Zone.	Morrow
State	New Mexico		
Date	4/15/2013		
GL	3680'		
KB	3697'		

Description	O.D	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	13 3/8	H40	48	279	360	Surface
Inter Csg	9 5/8	J55	36	1 220	550	Surface
Prod Csg	7	P110	23	9,962	1,475	Surface
Liner						

Current Well Bore



17 1/2" hole

13-3/8" (H40 - 48#) @ 279' w/360 sx
TOC @ surface

2-3/8" N80 Tbg - 339 jts

12 1/4" hole

9-5/8" (J55 - 36#) @ 1220' w/550 sx
TOC @ surface

DV Tool @ 3003' w/500 sx

Short Joint @ 6572'

DV Tool @ 6985' w/550 sx

298 jts 2 3/8" L80

7" 10K AS1-X Packer w/on/off tool @ 9566'
1 81 R Nipple @ 9585'

Morrow

9680-82, 9686-95, 9698-9700

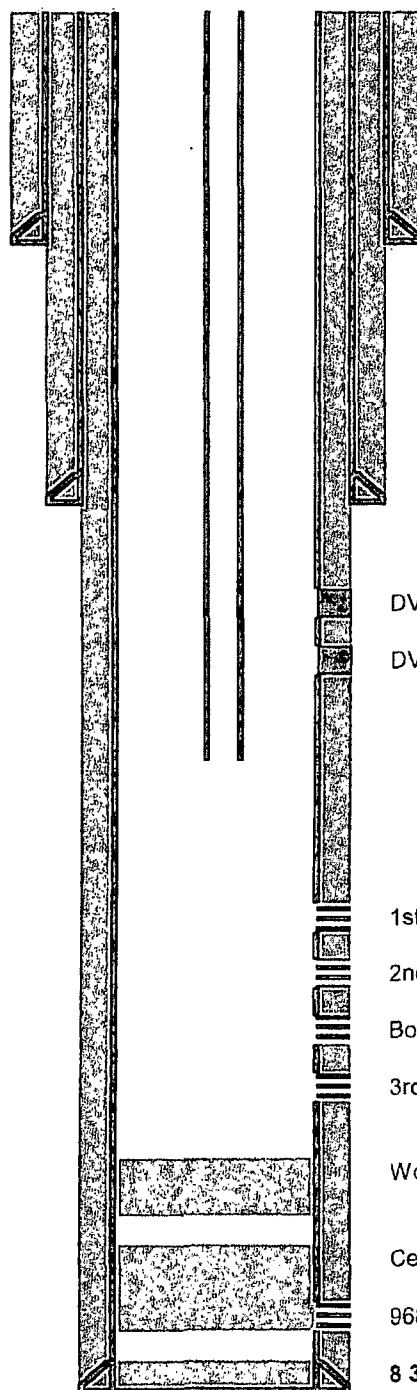
8 3/4" hole

7" (P110 - 23#) @ 9962' w/425 sx
TOC @ Surface

TD @ 10000'

Author:	Stroup	
Well Name	Tuna 28 Fed	Well No. #1
Field	Milepost	API #: 30-015-37645
County	Eddy	Prop #:
State	New Mexico	Zone: Bone Spring
Date	4/15/2013	
GL	3680'	
KB	3697'	

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	13 3/8	H40	48	279	360	Surface
Inter Csg	9 5/8	J55	36	1,220	550	Surface
Prod Csg	7	P110	23	9,962	1,475	Surface
Liner						



Proposed Well Bore

17 1/2" hole
 13-3/8" (H40 - 48#) @ 279' w/360 sx
 TOC @ surface

2-3/8" N80 Tbg

12 1/4" hole
 9-5/8" (J55 - 36#) @ 1220' w/550 sx
 TOC @ surface

DV Tool @ 3003' w/500 sx

Short Joint @ 6572'

DV Tool @ 6985' w/550 sx

1st Bone Spring: 5449, 5502, 5556, 5614

2nd Bone Spring: 6003, 6057, 6130, 6206

Bone Spring Charkey Sand: 6664, 6716, 6775, 6865

3rd Bone Spring: 7306, 7352, 7411, 7505

Wolfcamp cement plug: 7600-7800

Cement plug 9300-9500
 Morrow
 9680-82, 9686-95, 9698-9700

8 3/4" hole
 7" (P110 - 23#) @ 9962' w/425 sx
 TOC @ Surface

TD @ 10000'

**Tuna 28 Federal 1
30-015-37645
COG Operating LLC
May 24, 2013
Conditions of Approval**

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

Work to be completed by August 24, 2013.

- 1. The operator shall place CIBP at 9630'. Place a balanced cement class H plug from 9630'-9358'. Tag required.**
- 2. The operator shall place a balance neat class H cement plug from 7750'-7550. As this plug will not properly seal the Wolfcamp formation according to BLM standards, additional cement must be placed on top during final abandonment.**
- 3. Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure.**
4. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
5. Surface disturbance beyond the originally approved pad must have prior approval.
6. Closed loop system required.
7. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
8. Operator to have H2S monitoring equipment on location.
9. A minimum of a 3000 (3M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (3M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

- 10. Subsequent sundry required detailing work done and completion report for the new formation. Operator to include new well plat and well bore schematic of current well condition when work is complete.**

JAM 052413