

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC054988B
2. Name of Operator COG OPERATING LLC Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com		6. If Indian, Allottee or Tribe Name
3a. Address 600 WEST ILLINOIS AVE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4332	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T17S R30E Mer NMP 1650FNL 330FWL		8. Well Name and No. JENKINS B FEDERAL 1
		9. API Well No. 30-015-04214
		10. Field and Pool, or Exploratory LOCO HILLS
		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	

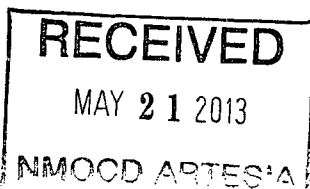
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical 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 requests to recompleate this Yeso well to the San Andres.

Please see attached procedure.

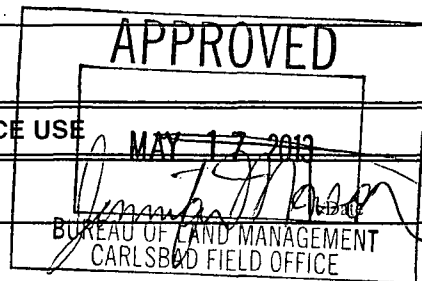
**SUBJECT TO LIKE
APPROVAL BY STATE**

CR Date 5/24/13
Accepted for record
NMOCD
Provide C102



**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #203212 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 04/03/2013 ()	
Name (Printed/Typed) KANICIA CASTILLO	Title PREPARER
Signature (Electronic Submission)	Date 04/02/2013
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 _____
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 ****

Jenkins B Federal #1 – San Andres Recompletion

Well Information

API# 30-015-04214

Surface Location:

- Section - 20
- Township - 17S
- Range - 30E
- 1,650' FNL & 330' FWL
- Eddy County, NM

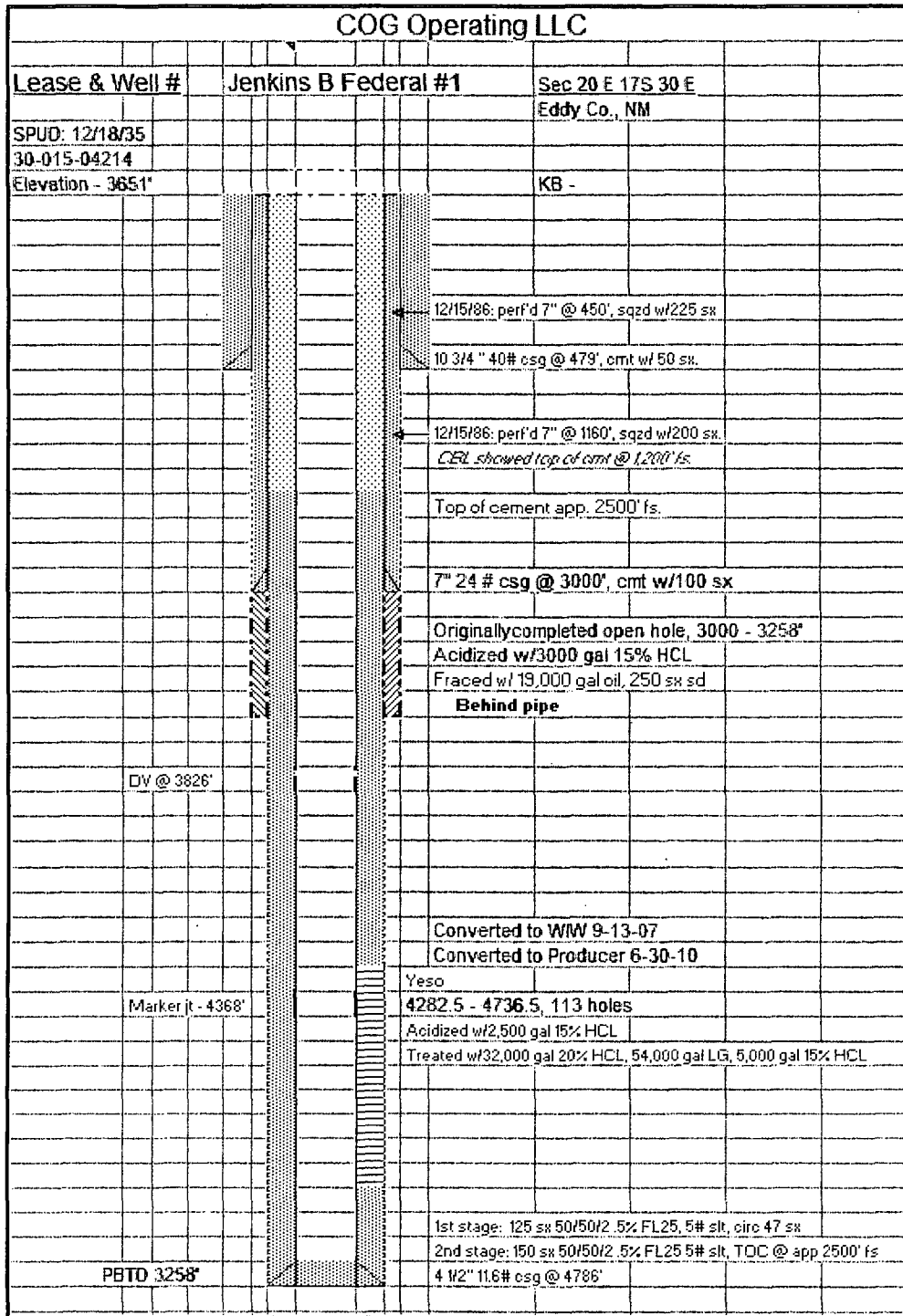
Well Completion Data

Hole Size (in.)	Casing Size (in.)	Depth Set (ft)	Cement Volume (sx)
12-1/4	10-3/4	479	50
8-1/2	7	3,000	100
6-1/4	4-1/2	4,786	275

Procedure

1. Rig up well service unit.
2. Pull out of the hole with the rods. RIH with fishing tool and latch onto remainder of rods. Detach from progressive cavity pump rotor. Pull out laying down all rods.
3. POOH with tubing, rotor and stator.
4. Rig up wireline service. RIH with 4-1/2" CIBP and 3-1/8" perforating guns.
 - a. Set CIBP @ 4,225' to isolate Glorieta Yeso. Load and test casing to 3000 psig.
 - b. Perforate from 3,818' – 4,100' with 26 total shots using 12 gram ppg 3112-321T charges.
5. Set 4-1/2" x 2-7/8" packer @ 3,750'.
6. Pump 3,000 gals 15% HCL NEFE acid with Claystay. Flush with 30 bbls 2% KCl water.
7. Wait 1 hour. Begin swabbing load back. Swab test will determine next action.
8. If swab test proves zone productive, we will hydraulically fracture interval with 97,950 gals of 15 lb. cross-linked fluid carrying 135,225 lbs. of premium brown 16/30 sand. Otherwise, we will abandon interval.
9. Clean out wellbore to CIBP @ 4,225'. Will not drill out CIBP.
10. Put well on artificial lift. Acquire significant production data on lower San Andres.
11. Rig up well service unit.
12. Pull out of the hole with rods and tubing.
13. Rig up wireline service. RIH with 4-1/2" composite bridge plug and 3-1/8" perforating guns.
 - a. Set CBP @ 3,750'. Load and test casing to 3,000 psig.
 - b. Perforate from 3,414' – 3,694' with 26 total shots using 12 gram ppg 3112-321T charges.
14. Set 4-1/2" x 2-7/8" packer @ 3,365'.
15. Pump 3,000 gals 15% HCL NEFE acid with claystay. Flush with 30 bbls 2% KCl water.
16. Wait 1 hour. Begin swabbing load back. Swab test will determine next action.
17. If swab test proves zone productive, we will hydraulically fracture interval with 97,950 gals of 15 lb. cross-linked fluid carrying 135,225 lbs. of premium brown 16/30 sand. Otherwise, we will abandon interval.
18. Clean out wellbore to CBP @ 3,750'.
19. Put well on artificial lift. Once significant production data is acquired from middle San Andres, the two intervals being tested will be comingled.

Wellbore Schematic



**Jenkins B Federal 1
30-015-04214
COG Operating LLC
May 17, 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 17, 2013.

- 1. The operator shall place CIBP at 4225' and place a minimum of 378' of class C cement on top. The TOC must be tagged at 4125'.**
- 2. Must conduct a casing integrity test before frac. Submit results to BLM. The CIT is to be performed on the production casing per Onshore Oil and Gas Order 2.III.B.1.h.** Make arrangements 24 hours before the test for BLM to witness. E-mail Paul R. Swartz pswartz@blm.gov or phone 575-200-7902, if there is no response, 575-361-2822. If no answer, leave a voice mail or email with the API#, workover purpose, and a call back phone number. Note the contact, time, & date in your subsequent report.
- 3. When the San Andres formation is plugged and abandoned an additional 25 sx of cement must be placed on top of the current cement to meet minimum requirements. Prior to this work you must submit a NOI for approval.**
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 2000 (2M) 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 (2M 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. Submit a C-102 form with formation change to the BLM.

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

JAM 051713