

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		8. Well Name and No. JENKINS B FEDERAL 4
2. Name of Operator COG OPERATING LLC		9. API Well No. 30-015-04231-00-S1
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4332	10. Field and Pool, or Exploratory Multiple--See Attached 28509
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T17S R30E Lot F 1650FNL 1650FWL		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 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 checked="" 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.)

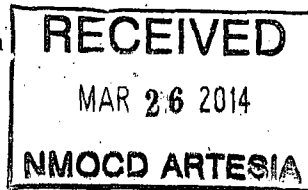
COG Operating LLC respectfully requests to recomplete to the San Andres.

Please see attached procedure.

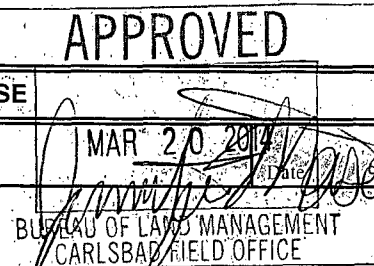
Recompletion Procedure

? RIH w/ perforating guns and perforate San Andres Zone from 2795'-4100' w/ 3 spf, 69 holes via TCP
 ? RIH 2 7/8" workstring, packer set at 2700'
 ? NU frac valve, and test tbg to 5000 psi
 ? RDMO WSU
 ? Acidize w/ 4500 gals of 15% HCl. Frac zone w/ 214,200 # of sand. Via 2 7/8" workstring.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL



14. I hereby certify that the foregoing is true and correct. Electronic Submission #233669 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER MASON on 02/06/2014 (14JAM0138SE)	
Name (Printed/Typed) KANICIA CASTILLO	Title PREPARER
Signature (Electronic Submission)	Date 01/29/2014
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.

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

Additional data for EC transaction #233669 that would not fit on the form

10. Field and Pool, continued

UNKNOWN

32. Additional remarks, continued

- ? MIRU WSU
- ? POOH 2 7/8" workstring and packer
- ? RIH with Production tbg and tag for fill w/ bailer
- ? Clean out fill to new PBTD @ 4185?
- ? POOH bailer and tbg
- ? RIH with production tubing and locate intake at 4100?
- ? RIH w/ rods and pump.
- ? RDMO rig.

JENKINS B FEDERAL #4

API# 30-015-04231

Well History

Spudded: 5/14/1937

Completed w/ 250 sks of prop and 10,000 gallons LinearGell: 11/29/1955

Deepened to the Yeso: 1/21/1997

Completed Yeso w/ gelled hot acid: 1/23/1997

Used as an injection well: 8/21/2007

Converted to producer: 6/17/2010

HIT: 2/24/2012

Well Data

Perfs

San Andres (Behind Pipe) 2843'-3253'

Paddock 4286'-4637'

PBTD 4776'

Current TBG Detail

125- joints of 2 3/8" (4052.50')

2' marker

2- joints (64.84'),

T/A @ 4120'

16- jts,(518.72').

S/N@ 4640.74

25' 2 3/8" mule shoe

Current Rod Detail

90- 7/8" N97 rods,

4- 1 3/8" Kbars,

lift sub,

2"x 1 1/2"x 16' production pump with 16' dip tube (Andrews Pump)

Rod Pull Procedure

- MIRU WSU, NU BOP
- POOH w/ rods and pump
- Set CIBP @ 4225'
- Wireline truck dump 40' Class C cement of top of CIBP
- Tag cement plug w/ 2 7/8" Tbg to verify depth of 4185'
- Pulled up 4' to circulate hole clean with fresh water, and displace w/ 2% KCL and 1% packer corrosion inhibitor.
- POOH and secure wellbore

Proposed Recompletion Procedure

- RIH w/ perforating guns and perforate San Andres Zone from 2795'-4100' w/ 3 spf, 69 holes via TCP
- RIH 2 7/8" workstring, packer set at 2700'
- NU frac valve, and test tbg to 5000 psi
- RDMO WSU
- Acidize w/ 4500 gals of 15% HCl. Frac zone w/ 214,200 # of sand. Via 2 7/8" workstring.
- MIRU WSU
- POOH 2 7/8" workstring and packer
- RIH with Production tbg and tag for fill w/ bailer
- Clean out fill to new PBTD @ 4185'
- POOH bailer and tbg
- RIH with production tubing and locate intake at 4100'.
- RIH w/ rods and pump.
- RDMO rig.

COG Operating LLC

Lease & Well #

Jenkins B Federal #4

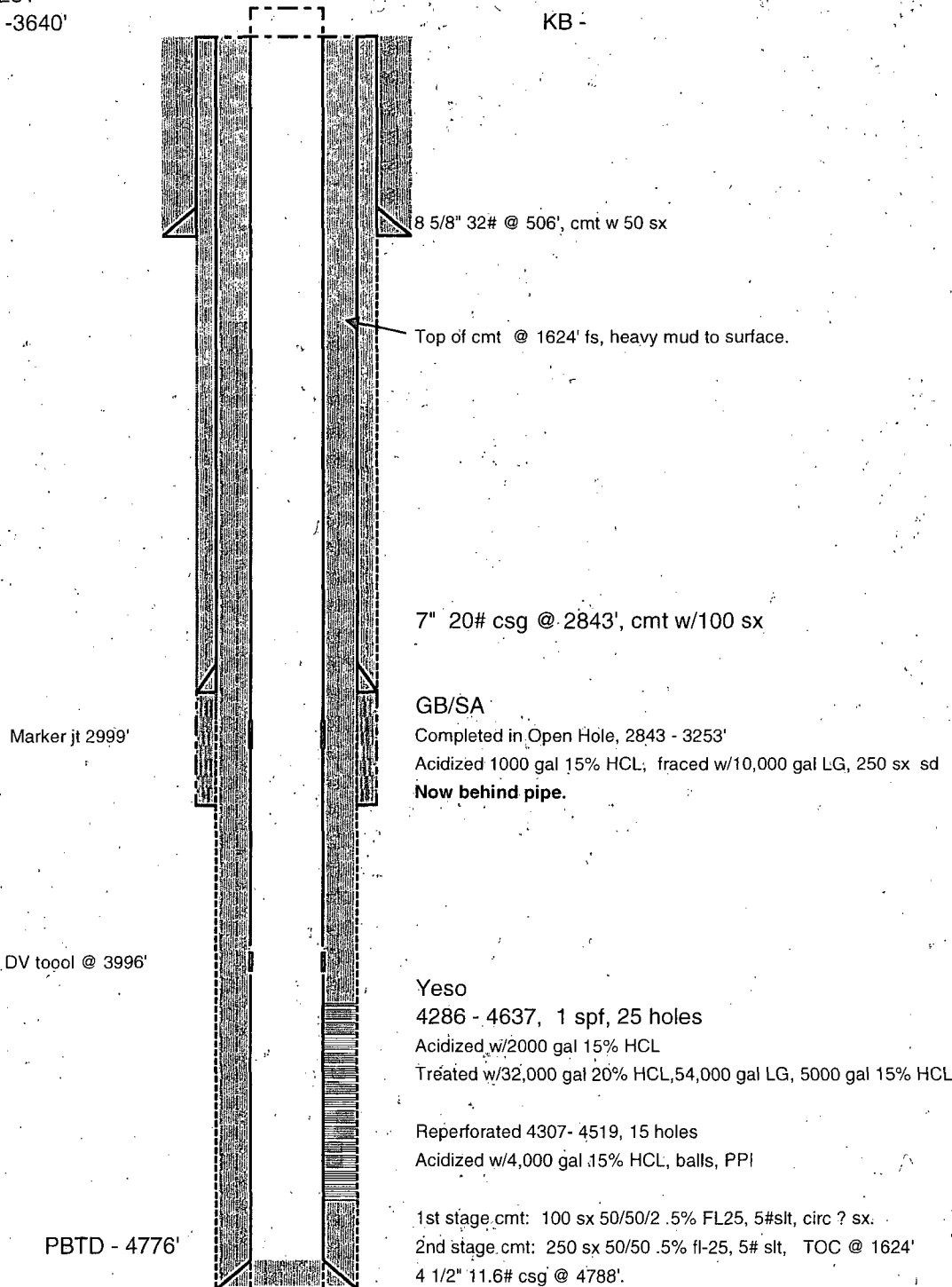
Sec.20 4, 17S, 30E, Eddy Co, NM

Spudded 5/189/1937

3001504231

Elevation -3640'

KB -



Jenkins B Federal 4
30-015-04231
COG Operating, LLC.
March 20, 2014
Conditions of Approval

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

Work to be completed by June 20, 2014.

- 1. Operator shall set a CIBP at 4,225' and dump 40' Class C cement on top. Tag required.**
- 2. Must conduct a casing integrity test to max treating pressure before perforating and fracturing. Submit results to BLM. Notify BLM if test fails.**
- 3. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.**
- 4. Surface disturbance beyond the originally approved pad must have prior approval.**
- 5. Closed loop system required.**
- 6. 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.**
- 7. Operator to have H2S monitoring equipment on location.**
- 8. 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.**
- 9. Subsequent sundry required detailing work done and completion report for the new formations. Operator to include well bore schematic of current well condition when work is complete.**

10. See attached for general requirements.

JAM 032014

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

General Requirements for Plug Backs

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from this approval.

If you are unable to plug back the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement.

Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date work was completed.**

7. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.