

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
OCD Artesia

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.
NMLC054988B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
JENKINS B FEDERAL 7

9. API Well No.
30-015-29451-00-S1

10. Field and Pool or Exploratory Area
GRAYBURG JACKSON

11. County or Parish, State
EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
 Oil Well Gas Well Other: INJECTION

2. Name of Operator
COG OPERATING LLC
Contact: DANA KING
E-Mail: dking@concho.com

3a. Address
600 W ILLINOIS AVENUE
MIDLAND, TX 79701

3b. Phone No. (include area code)
Ph: 432-818-2267

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 20 T17S R30E SWNW 1650FNL 1090FWL

12. CHECK THE 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"/> Hydraulic Fracturing	<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 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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 drill out the composite plug and run a production assembly suitable to produce both the Upper and Middle San Andres zone.

Please see the attached proposed procedure and WBD.

NM OIL CONSERVATION
ARTESIA DISTRICT

APR 01 2019

GC 4/2/19
Accepted for record - NMOCD

RECEIVED

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

**Electronic Submission #458651 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by PRISCILLA PEREZ on 03/20/2019 (19PP1428SE)**

Name (Printed/Typed) DANA KING Title SUBMITTING CONTACT

Signature (Electronic Submission) Date 03/20/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By /s/ Jonathon Shepard Title Petroleum Engineer Date MAR 29 2019

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.

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.

(Instructions on page 2)

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

Jenkins B Federal #7- Plug Drill Out – LOE
30-015-29451

The Jenkins B #7 was recompleted in the middle San Andres in 2018. In 2019 the well was re-enter and was plugged back to recomplete the Upper San Andres and produced just that zone for a test. Additional rate can be added by commingling the Upper and Middle zones. The plan is to reenter this well, drill out the composite plug, and run a production assembly suitable to produce both zones. This should add about 12bbl/d of oil and 10mcf/d.

WBD

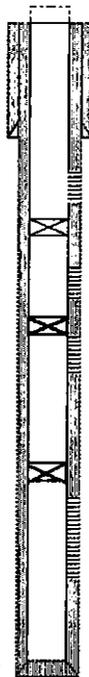
COG Operating LLC

Lease & Well # Jenkins B Federal #7

Spud: 4/3/97

Elevation - 3643'

WELL NAME: JENKINS B FEDERAL #7	PROSPECT NAME: Loco Hills
SHL: 1850 FNL 1090 FWL	STATE & COUNTY: New Mexico, Eddy
BHL: 1850 FNL 1090 FWL	OBJECTIVE: Single Stage Recompletion to GB-SA Top Zone
FORMATION: SANDR	DEPTH: 4,199'
LEGAL: E-20-17S-30E	



850' 244 @ 415', 300' short, circ. 121 ex

3150'-3250'
 Acidize w/ 1500 gals of 15% HCl.
 Frac zone w/ 100,000 # of sand

COMPOSITE PLUG @ 3,325'

3350'-3634', w/ 3 spt, 120° phasing, 54 holes.
 Acidize w/ 1500 gals of 15% HCl.
 Frac zone w/ 375,000 # of sand

COMPOSITE PLUG @ 3,663'

3713'-4120', w/ 3 spt, 120° phasing, 36 holes.
 Acidize w/ 1500 gals of 15% HCl.
 Frac zone w/ 259,883 # of sand

CIBP @ 4239' w/ 40' of CMT on top, 4199' PBTD

Padlock
 4289 - 4634'
 Acidized w/ 2,000 gal 15% NEFE
 Hot acid job 32,000/54,000/5,000

1st stage: 165 sx 50/50/c circ 32 sx
 2nd stage: 900 sx lHe, 350 sx 50/50/2 c, circ 225 sx
 5 1/2" 17# cas @ 4796'

SPF	3150	3167	3183	3200	3217	3233	3250
Interval Length	100						
Spacing	16.7						
prop/fl prop total	1000	100000					

Tubing Strings		Int. Length	Int. Diam.	Wt. per Foot	Grade	Material
Tubing - Production	12/28/2018	3,324.4'	2.875"	11.60	J-55	3,324.4'
Tubing		91'	2.750"	8.60	J-55	2,359.4'
Manic Joint		1'	2.750"	8.60	J-55	2,351.7'
Tubing		2'	2.750"	8.60	J-55	2,344.1'
YAC		1'	6.125"			2,338.0'
TUBING		6'	2.750"	8.60	J-55	2,184.2'
Tubing		1'	2.750"	8.60	J-55	2,175.6'
Pump Seating Nipple		1'	2.750"			2,171.3'
12 Slot sand Screen		1'	2.750"			2,168.1'
Tubing		1'	2.750"	8.60	J-55	2,164.8'
Ball Plug		1'	2.750"			2,161.4'

Rod Strings		Int. Length	Int. Diam.	Wt. per Foot	Grade	Material
Rod	3/7/2019	2,180.00'	1.315"	3.201.3		

Rod Components		Grade	Wt.	CO. or	Joint
POLISH ROD	Spicermeta		1	1 1/2"	26.00
DRY RODS	NPT		1	3/4"	2.00
RODS	100'		116	3/4"	2,900.00
SINKER BARS	Grade K		10	1.68"	250.00
Rec Pump			1	1.58"	70.00

General Information

Well Name: Jenkins B Federal #7
 API#: 30-015-29451
 Surface Location: Sec. 27; T 17S – R 30E; 1,650' FNL & 1090' FWL
 Latitude: 32.8228188
 Longitude: -103.9992142

Procedure:

- **Overview:** POOH with rod string, POOH with tubing, drill out composite plug, cleanout to PBTD, run new tubing design, and run new rod design.
- MIRU WSU
- PJSM / LOTO – de-energize
- POOH and stand back Rods
 - Report pitting, scale, or corrosion on rods
- ND WH, release TAC, NU BOP
- POOH w/ TBG
- Inspect tbg and LD any suspect joints
- Replace any bad joints with yellow band tubing from yard



- POOH, Standing back ~3,630 TBG and laying down the rest
- RIH with Tubing string as follows
 - Replace bad JTS with new / yellow band 2-7/8" J-55

New Tubing Design		
Item	JTS	Depth
2-7/8" J-55 Tubing	91	2929
Marker Joint	1	2931
2-7/8" J-55 Tubing	2	2996
TAC 5-1/2"	1	2999
2-7/8" J-55 Tubing	19	3629
	1	3630
	1	3631

- Set TAC with the correct tension for 3,000'
- ND BOP & NU Well head
- RIH with new Rod Design and Don-Nan Pump sized for 143" stroke length with 1.5" plunger

New Rod Design		
Item	JTS	Length
3/4" Norris 97	134	3350
1-5/8" K-Bars	10	250
	1	20
Don Nan Pump		

- Space out pump. Load and test tbg. Check for pump action.
- Hang well on.
- Inspect PU alignment and level carrier bar.
- Clean location, RDMO
- TOTP

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Conditions of Approval for Workover/Deepening of a Well

1. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any operations. For wells in Eddy County, call 575-361-2822. For wells in Lea County, call 575-393-3612
2. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any 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 9,100 feet, a 3M system for a well not deeper than 13,600 feet, or a 5M system for a well not deeper than 22,700 feet (all depths are for measured well depth).
3. **Cement:** Notify BLM if cement fails to circulate.
4. **Subsequent Reporting:** Within 30 days after work is completed, file a Subsequent Report (Form 3160-5) to BLM. The report should give in detail the manner in which the work was carried out. **Show date work was completed.** If producing a new zone, submit a Completion Report (Form 3160-4) with the Subsequent Report.
5. **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.
6. **If well location is within the Timing Limitation Stipulation Area for Lesser Prairie-Chicken:** From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted.