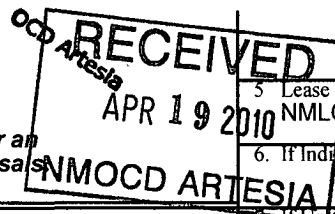


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - 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 18
2. Name of Operator COG OPERATING LLC		9. API Well No. 30-015-34474-00-S1
3a. Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701		10. Field and Pool, or Exploratory GRAYBURG JACKSON SR-Q-GRE
3b. Phone No. (include area code) Ph: 432-685-4332		11. County or Parish, and State EDDY COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 20 T17S R30E NWNW 330FNL 430FWL		

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 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.)

Objective: Convert the well from a Paddock injector to a Paddock producer.

1. MIRU, poh w 2 7/8" injection string. Arrowset PKR@4188?
2. TIH w 2 7/8" 6.4# J-55 tbg, bit, and 5 ?? csg scraper and clean out to PBTD of 4740'.
3. TIH w 2 7/8" tbg and 5 ?? PKR and set PKR @4200' and test PKR, csg, and tbg.
4. Acidize the Paddock w 1500 g 15% and flush tbg capacity w fresh water.
5. TIH w 2 7/8" tbg and set SN@4660', desander, and 1 jt MA, set TAC@4200'.
6. Run 62-7/8" N97 rods, 120- ?? N97 rods, 4 ? 1 3/8" kbars, and 2.25' tbg trash pump.
7. Install an Ampscot 640-365-144 pumping unit w 50 hp motor and run at 9 spm.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #83210 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 03/24/2010 (10KMS0972SE)	
Name (Printed/Typed) KANICIA CARRILLO	Title PREPARER
Signature (Electronic Submission)	Date 03/23/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By MYLES KRISTOF	Title PETROLEUM ENGINEER	Date 04/16/2010
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 Carlsbad

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.

COG Operating Procedure
Jenkins B Fed 18
Loco Hills Field
Eddy County, NM
TWP: 17 S – Range: 30 E – Sec . 20

Objective: Convert the well from a Paddock injector to a Paddock producer.

1. MIRU, poh w 2 7/8" injection string. Arrowset PKR@4188'.
2. TIH w 2 7/8" 6.4# J-55 tbg, bit, and 5 1/2" csg scraper and clean out to PBTD of 4740'.
3. TIH w 2 7/8" tbg and 5 1/2" PKR and set PKR @4200' and test PKR, csg, and tbg.
4. Acidize the Paddock w 1500 g 15% and flush tbg capacity w fresh water.
5. TIH w 2 7/8" tbg and set SN@4660', desander, and 1 jt MA, set TAC@4200'.
6. Run 62-7/8" N97 rods, 120- 3/4" N97 rods, 4 – 1 3/8" kbars, and 2.25" tbg trash pump.
7. Install an Ampscot 640-365-144 pumping unit w 50 hp motor and run at 9 spm.

COG Operating LLC

Lease & Well #

Jenkins B Federal # 18

SPUD: 2/6/06

Elevation - 3641

KB -

DV tool -4135'

CIBP @ 4740' w/10' cmt

Cmt retainer @ 4972'
Sqzd w/300 sx

Marker jt @ 5207'

PBTD - 6389'

13 3/8" 48# H-40 STC csg @ 425', 449 sx
Circ 149 sx

8 5/8" 24# 8rd J-55 STC @ 1047,
525 sx, circ 141 sx

132lbs PL 2 7/8" tbg
PL SN
PL XO
PC Arroset 1 pkr @ 4,188'

Yeso
4260'-4629'
Acidized w/2,500 gal 15% HCL
Trt w/32,000 gal 20% HCL, 54,000 gal LG,
5,000 gal 15% HCL
Acidized w/2,500 gal 15% HCL when
converted to injector

5082 - 5412 5, 60 holes
Acidized w/2500 gal 15% HCL, frac
w/95,205 gal gl, 98,999 # sd

5984 - 6181 5, 68 holes
Acidize w/ 25 00 gal 15 HCL, frac
w/97,696 gal lg, 91,172 # sd

1st stage 490 sx 50/50, circulated
246 sx.
2nd stage 1015 sx, circulate 90
sx,

**5 1/2" 17# J-55 LT&C csg @
6389'.**

**Jenkins B Federal 18
30-015-34474
COG Operating LLC
April 16, 2010
Conditions of Approval**

- 1. Surface disturbance beyond the existing pad must have prior approval.**
- 2. Closed loop system required.**
- 3. Operator to have H2S monitoring equipment on location as H2S has been reported from the Grayburg formation.**
- 4. A minimum of a 2M BOP is required and must be tested prior to RIH.**
- 5. Subsequent sundry and new well test required.**

MAK 041610