

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. BURCH KEELY UNIT 291
2. Name of Operator COG OPERATING LLC Contact: KANICIA CASTILLO E-Mail: kcastillo@concho.com	9. API Well No. 30-015-30492
3a. Address 600 WEST ILLINOIS AVE MIDLAND, TX 79701	10. Field and Pool, or Exploratory BK; GLORIETA-YESO
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 30 T17S R30E Mer NMP 25FNL 2450FEL	

**RECEIVED**  
SEP 13 2013  
MHOOD ARTESIA

12. CHECK APPROPRIATE BOX(ES) TO INDICATE TYPE 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.)

COG respectfully requests to recomplete to the San Andres with intentions to test and possibly DHC w/ the Yeso. DHC NOI will follow.

COG Operating LLC proposes to recomplete to the GB/SA as follows:

MIRU pulling unit. POOH w/rods and stand all rods back. NU BOP. POOH w/ tbg. Set RBP and RIH on tbg. Set RBP at +/-4400'. POOH w/tbg. MIRU WLU. RIH and perforate Grayburg and San Andres zones. RDMO WLU. MIRU frac crew. Frac GB/SA perms with 100,000# of sand in 22# cross link gel. RDMO frac crew. RIH w/tbg and circ well clean to top of RBP. Latch onto RBP and POOH. RIH w/same tbg configuration as previously in well. ND BOP. RIH w/same rod string and pump configuration as previously in well. Hang well on beam. RDMO pulling unit.

Accepted for record  
MHOOD  
Tes  
9/13/2013

SEE ATTACHED FOR  
CONDITIONS OF APPROVA  
(2459' - 4300')  
see Attached e-mail

*always submit current & proposed well bore diagram*

SUBJECT TO LIKE  
APPROVAL BY STATE

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

Electronic Submission #210491 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by KURT SIMMONS on 06/18/2013 ()

Name (Printed/Typed) KANICIA CASTILLO	Title PREPARER
Signature (Electronic Submission)	Date 06/12/2013

**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

SEP 13 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 \*\***



Mason, Jennifer &lt;jamason@blm.gov&gt;

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**BKU SA interval**

1 message

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**Kanicia Castillo** <kcastillo@concho.com>  
To: "jamason@blm.gov" <jamason@blm.gov>

Wed, Jul 3, 2013 at 9:00 AM

Jennifer,

Her you go. I think I just mistakenly left this out of the procedure.

**BKU #291** Grayburg / San Andres interval is **2459' – 4308'**

Thanks,

*Kanicia Castillo***Lead Regulatory Analyst****COG OPERATING LLC**

One Concho Center

600 W. Illinois Avenue

Midland, TX 79701

P.432.685.4332

F.432.221.0858



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Field

**Empire**

Burch Keely Unit #291 Reservoir: Yeso

Location:	
Footage:	25 FNL 2540 FEL
Section:	Sec. 30-T17S-R30E
County:	Eddy County, NM
Elevations:	
GL:	3616
KB:	12
KB Calc:	3628

Well ID Info:	
API No:	30-015-30492
Spud Date:	3/29/1999

Surf Csg:	8-5/8" J-55, 24#
Set @	430'
Cement w/ circ.	400 sx class C 90 sx

History	
3/29/99	spud
4/12/99	perf/acidize Paddock, put on ESP
5/19/99	put on rod pump
4/3/00	HIT
5/30/03	P/R part
11/15/05	pump change

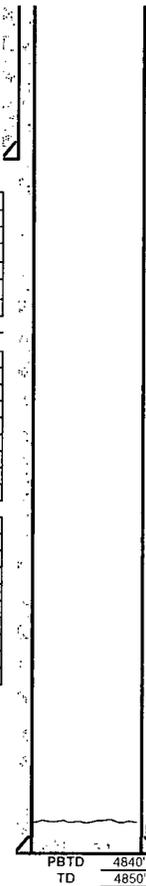
Current			
Tubing Detail (top to bottom)			
Joints	Description	Footage	Depth
131	2-7/8" J-55 TBG		
1	2-7/8" sub		
2	2-7/8" J-55 TBG		
1	5-1/2" TAC		4161'
20	2-7/8" J-55 TBG		
1	2-7/8" SN		4793'
	EOT		4794'

Rod Detail (top to bottom)			
Weatherford 160-213-86			
Pumping Unit	Description	Footage	Depth
Rods			
1	1-1/4" X 26' PR w/ Liner	26.0	
1	4' X 7/8" Pony Rod	4.0	
1	6' X 7/8" Pony Rod	6.0	
184	7/8" N97 Rods	4,600.0	
6	1-1/4" K-Bars	150.0	
1	2' X 7/8" Pony Rod	2.0	
1	2-1/12" X 2" X 20' RHBC-HVR	20.0	4,808.0

Updated: C Elliott 06/03/2013

Paddock 4512'-4753' - 20 shots  
Hot acid job

Prod Csg:	5-1/2", 17#, J-55
Set @	4850'
Cmt 1st Stg w/ circ.	1200 sx 125 sx



PBTD 4840'  
TD 4850'

**Burch Keely Unit 291  
30-015-30492  
COG Operating LLC  
September 10, 2013  
Conditions of Approval**

**Work to be completed by December 10, 2013.**

- 1. Operator shall set a RBP at 4,350'**
- 2. 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. 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. No commingling shall be done until approval is granted by both the BLM and the State.**

**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 091013**