

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.*5. Lease Serial No.  
NMLC028793C

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ 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

3b. Phone No. (include area code)

Ph: 432-685-4332

10. Field and Pool, or Exploratory  
BK; GLORIETA-YESO

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 30 T17S R30E Mer NMP 25FNL 2450FEL

11. County or Parish, and State

EDDY COUNTY, NM

RECEIVED

SEP 13 2013

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.)

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  
MM/OCD  
tes  
9/13/2013SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

(2459' - 4300')

see Attached e-mail

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 (I)

Name (Printed/Typed) KANICIA CASTILLO

Title PREPARER

Signature (Electronic Submission)

Date 06/12/2013

APPROVED

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

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;

---

**BKU SA interval**

1 message

---

**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



**CONFIDENTIALITY NOTICE:** The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

District I  
1625 N French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-30492	<sup>2</sup> Pool Code 97918	<sup>3</sup> Pool Name Burch Keely;Glorieta-Upper Yeso
<sup>4</sup> Property Code 308086	<sup>5</sup> Property Name Burch Keely Unit	<sup>6</sup> Well Number 291
<sup>7</sup> OGRID No. 229137	<sup>8</sup> Operator Name COG Operating LLC	<sup>9</sup> Elevation 3616

<sup>10</sup> Surface Location

UL or lot no. B	Section 30	Township 17S	Range 30E	Lot Idn	Feet from the 25	North/South line North	Feet from the 2450	East/West line East	County Eddy
--------------------	---------------	-----------------	--------------	---------	---------------------	---------------------------	-----------------------	------------------------	----------------

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>K C</i> 6/12/13 Signature Date</p> <p>Kanicia Castillo Printed Name</p> <p>kcastillo@concho.com E-mail Address</p>	
	<p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p>	
	<p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>	
	<p>Certificate Number</p>	

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-30492	<sup>2</sup> Pool Code 28509	<sup>3</sup> Pool Name Grayburg Jackson; SR-Q-G-SA
<sup>4</sup> Property Code 308086	<sup>5</sup> Property Name Burch Keely Unit	<sup>6</sup> Well Number 291
<sup>7</sup> OGRID No. 229137	<sup>8</sup> Operator Name COG Operating LLC	<sup>9</sup> Elevation 3616

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	30	17S	30E		25	North	2450	East	Eddy

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<sup>16</sup>	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature Date 6/12/13 Printed Name Kanicia Castillo E-mail Address kcastillo@concho.com	
	<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	

Field

**Empire**

Burch Keely Unit #291 Reservoir: Yesso

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

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	2-1/2" X 2" X 20' RHBC-HVR	20.0	4,808.0

Updated: C Elliott 06/03/2013

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/	400 sx class C
circ.	90 sx

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

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