

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.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

~~AUG 21 2019~~

RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		<div style="text-align: center; border: 1px solid black; padding: 5px; font-weight: bold;">RECEIVED</div>	8. Well Name and No. FEDERAL 1
2. Name of Operator COG OPERATING LLC		Contact: ABIGAIL ANDERSON E-Mail: abbym@bcmmandassociates.com	9. API Well No. 30-025-02426-00-S1
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701-4287	3b. Phone No. (include area code) Ph: 432-580-7161	10. Field and Pool or Exploratory Area LEA	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 11 T20S R34E SENW 1980FNL 2130FWL		11. County or Parish, State LEA COUNTY, NM	

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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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 recomplate 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.

1. Tag 7" RBP @ 9329'. Circ hole w/ MLF. Pressure test csg. Spot 35 sx cmt @ 9329-9200' **9129.**
2. Spot 35 sx cmt @ ~~7000-6800'~~ (spacer plug) **8252 → 8072 (Tap Bore Spring)**
3. Perf & Sqz 50 sx cmt @ 5343-5243'. WOC & Tag (10 3/4" Shoe) - **5193, Add Plug Per** { **4684, 502 to 4534**
4. Perf & Sqz 65 sx cmt @ 3490-3210'. WOC & Tag (Yates & B/Salt) { **(Tap Tubb) (Tag)**
5. Perf & Sqz 50 sx cmt @ 1900-1800'. WOC & Tag (T/Salt)
6. Perf & Sqz 50 sx cmt @ 773-673'. WOC & Tag (16" Shoe)
7. Perf & Sqz 30 sx cmt @ 60' to surface.
8. Cut off well head, verify cmt to surface, weld on Dry Hole Marker.
- SEE ATTACHED FOR

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Below ground level dry hole marker required

14. I hereby certify that the foregoing is true and correct.	
<p align="center">Electronic Submission #471990 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 07/02/2019 (19PP2410SE)</p>	
Name (Printed/Typed)	ABIGAIL ANDERSON
Title	AGENT
Signature	(Electronic Submission)
Date	07/02/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>James R. Brown</u>	Title <u>SAET</u>	Date <u>7.21-19</u>
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 <u>CFO</u>	

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 ** ONLY**

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FOR RECORD ONLY

X7 NMOC D 9-9-19

COG Operating

SPUDDED 11/4/1960

Federal 11 20 34 #1

API 30-025-02426

CURRENT COMPLETION

ERE 11/18/14

operated by Samson then Three Rivers, then COG

Lufkin 456 DE Mark II 144-120-96

1980' FNL & 2130' FWL (unit F)
Sec 11T-20-S R-34-E
Lea; Bone Spring Field
Lea County, New Mexico

16" 65# H-40
w/ 1200 sx cmt?
TOC @ surf

10-3/4" 51# J-55
w/ 3420 or 3220 sx cmt
TOC @ ?
DVT@ 3514

Tbg in hole:

Kenco 7" x 2-7/8" Arrowset RBP W/ b-valve
on 2 jts 2-3/8" marker, & roughly 280 jts 2-3/8"

T/Salt - 1850'
B/Salt - 3260'
Yates - 3440'
Queen - 3748'
Tubb 4634'
BS 8202'
WC 10960'

RBP set @ 9,329' 03/01/2018

Bone Springs Perfs - 1961 & 1990 ?

Squeeze holes 1/12/90
upr - 9420', TWR 9555' and 9470

perfs 9523-9538

10,158' - 10,166' 6/1961 squeezed 1970??

9476-96, 9523-38, 9560-68, 9560-68,
9572-77, 10156-158, 10253-258 1/31/90
DVT@

3rd Bone Spring

10387-10407 2 spf 3/6/2008
10892-902 2/25/2008 2 spf
10932-942 2/25/2008 2 spf

ST 12053

cleaned out to 10,981 8/2015

CIBP @ 11,095' w/20' cmt on top 3/4/2008

CIBP @ 11,102' 2/24/2008 somehow went downhole

Cmt plug 1/5/90 12,761-12,417
Baker Model R pkr set @ 12,948'

CIBP or perm pkr set @ 13,060' 2/1972

7" @ 14,360' 29 & 32#
w/ 1700 sx cmt
DVT@ 10562
TOC @ 6750' (CBL)

PBTD = 14,348'
TD = 14,619'

Penn

13,034' - 13,054' 6/1961

Penn

13,077' - 13,087' thru tbg 10/1970

13,800' TOC inside csg

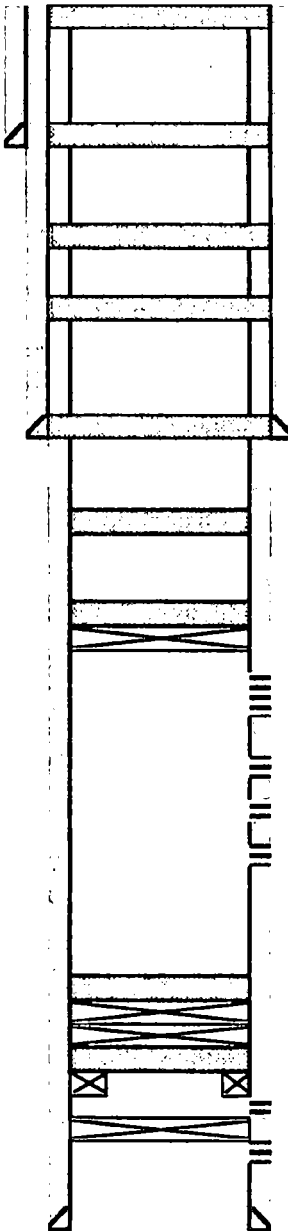
32.5895195
-103.5320663

COG Operating

Author: BCM & Associates, INC
 Well Name: Federal 11-20-34
 Field: Lea; Bone Spring
 County: Lea
 State: New Mexico
 Spud Date: 11/4/1960
 GL: 3654'

Well No.: #1
 API #: 30-025-02426
 Prop #:
 Zone: Bone Spring
 Sec 11, T20S, R34E
 1980' FNL 2310'FWL

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	18	H40	65#	723	24	1,200	SURFACE
Inter Csg	10 3/4	J55	51#	5,293	13 3/4	3,620	?
Prod Csg	7	?	29&32#	14,360	9 5/8	1,700	6750' CBL



7. Perf & Sqz 30 sx cmt @ 60' -Surface.

16 H40 65# CSG @ 723

6. Perf & Sqz 50 sx cmt @ 773-673'. WOC & Tag (16" Shoe)

5. Perf & Sqz 50 sx cmt @ 1900-1800'.

4. Perf & Sqz 65 sx cmt @ 3490-3210'. WOC & Tag (Yates & B/Salt)

10 3/4 J55 51# CSG @ 5,293

3. Perf & Sqz 50 sx cmt @ 5343-5243'. WOC & Tag (10 3/4" Shoe)

2. Spot 35 sx cmt @ 7000-6800' (Spacer plug)

1. Tag RBP @ 9329'. Circ hole w/ MLF. Pressure test csg. Spot 35 sx cmt @ 9329-9200'

RBP @ 9329' - 3/1/2008

Bone Spring Perfs

Perfs @ 9420-9555, & 9470 - sqzd holes 1/12/90

Perfs @ 9523-9538

Perfs @ 10158-10166' 6/1961 - Sqz'd 1970??

Perfs @ 9476-10258' - 1/31/90

Perfs @ 10387-10407' - 3/6/2008 2 spf

10892-10902' - 2/25/08 2 spf

10932-10942' - 2/25/08 2 spf

Cleaned out hole to 10981 - 8/2016

CIBP @ 11095' w/ 20' cmt on top - 3/4/2008

CIBP @ 11102 - 2/24/2008 somehow went downhole

cmt plug 1/5/90 @12761-12417'

Baker Model R pkr set @ 12948'

Perfs @ 13034-13054' - 6/1961

CIBP or perm pkr set @ 13060' - 2/1972

Perfs @ 13077-13087' through tbg 10/1970

13,800' TOC inside csg

7 ? 29&32# CSG @ 14,360

TDPB @ 14348'
 TD @ 14619

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

**Permanent Abandonment of Federal Wells
Conditions of Approval (LPC Habitat)**

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 the approval date of this Notice of Intent to Abandon.

If you are unable to plug 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. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

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. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. Before pumping or bailing 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. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off. Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging 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 well was plugged.

8. 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.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

Timing Limitation Stipulation/ Condition of Approval 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