

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

COG 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.  
NMNM124655

6. If Indian, Allottee or Tribe Name

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

7. If Unit or CA/Agreement, Name and/or No.  
NMNM127417

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
HAMBONE FEE COM 1H

2. Name of Operator  
COG OPERATING LLC  
Contact: BRIAN MAIORINO  
E-Mail: bmaiorino@concho.com

9. API Well No.  
30-015-38980-00-S1

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

3b. Phone No. (include area code)  
Ph: 432-221-0467

10. Field and Pool, or Exploratory  
BRUSHY DRAW

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 5 T26S R29E SWSW Lot M 660FSL 330FWL

11. County or Parish, and State  
EDDY COUNTY, NM

**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.)

MIRU  
Kill well if necessary  
Remove wellhead & install BOP.  
Pull tubing and visually inspect. If necessary, utilize work string  
Make a bit a scraper run  
~~Set a CIBP @ 5986?~~ **Succoas**  
TIH with tubing open ended  
Spot Class C cement mixed at 16.4# gal from 6986-5936  
Circulate well clean & TOH  
Pressure test casing to 5000 psi  
Run cased hole log 5936?-2745?  
Perforate Brushy Canyon @ 6494?, 4 spf (12 holes) 120 phasing, utilizing Halliburton open hole log

Accepted for Record

NMOCD

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL  
5-14-14

**RECEIVED**  
MAY 12 2014  
NMOCD ARTESIA

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #232361 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Carlsbad  
Committed to AFMSS for processing by JENNIFER MASON on 02/05/2014 (14JAM0104SE)**

Name (Printed/Typed) BRIAN MAIORINO Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 01/17/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

**APPROVED**

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 \_\_\_\_\_

MAY 8 2014  
*[Signature]*  
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.

**Additional data for EC transaction #232361 that would not fit on the form**

**32. Additional remarks, continued**

dated 5/12/11

Perforate Brushy Canyon @ 6486? 4 spf (10 holes) 120 phasing, utilizing Halliburton open hole log

dated 5/12/11

Perforate Brushy Canyon @ 6463? 4 spf (8 holes) 120 phasing, utilizing Halliburton open hole log

dated 5/12/11

Perforate Brushy Canyon @ 6409? 4 spf (8 holes) 120 phasing, utilizing Halliburton open hole log

dated 5/12/11

TIH w/tubing and packer

Acidize zone w/2500 gal 15% HCl, 2-4 BPM

Swab test zone, TOH w/tubing and packer

Frac well.

Shut-in well for 24 hours

Flow well back until dead.

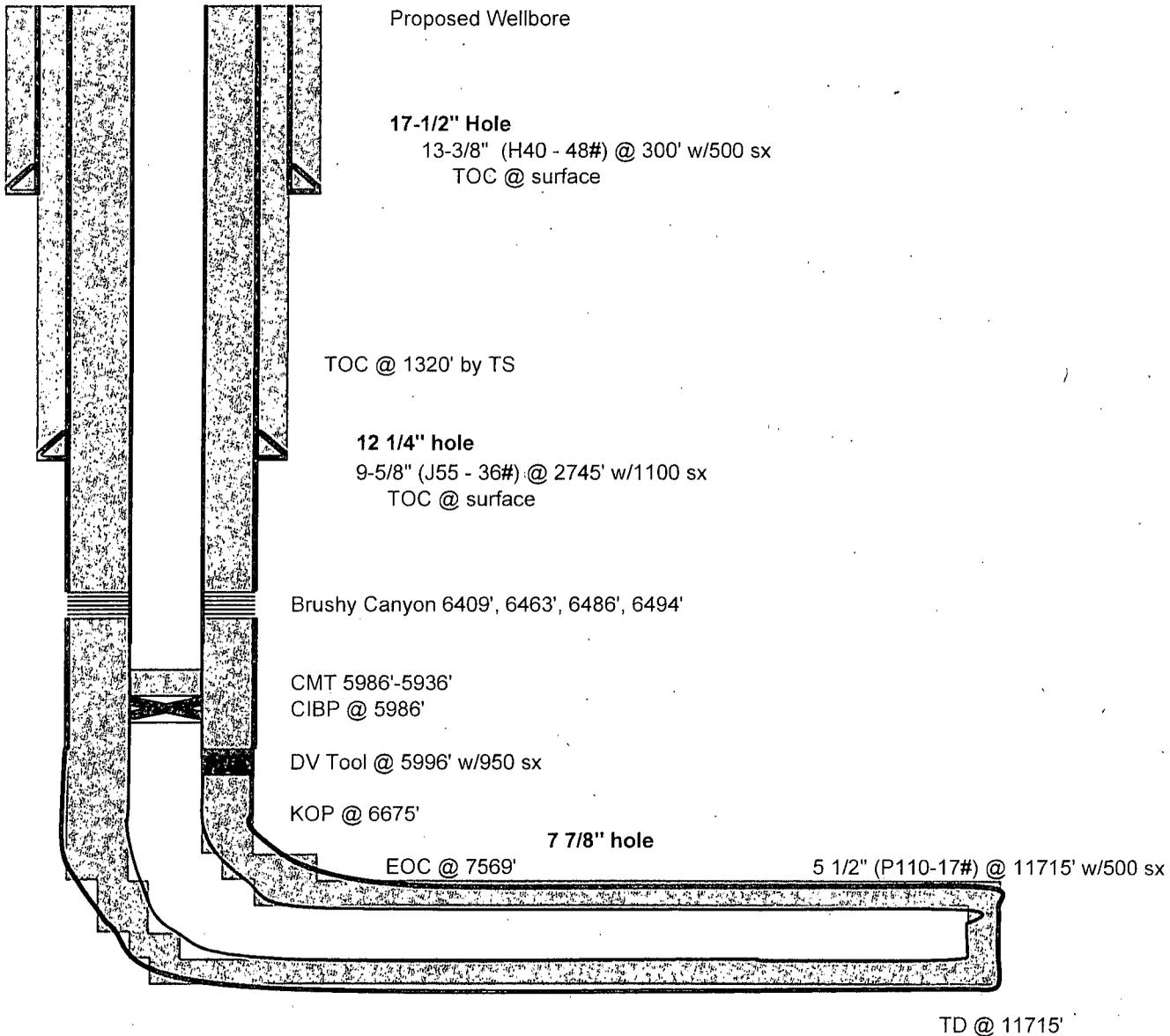
TIH with tubing & artificial lift equipment.

Place well on test

\*All operations will be conducted using a closed loop system

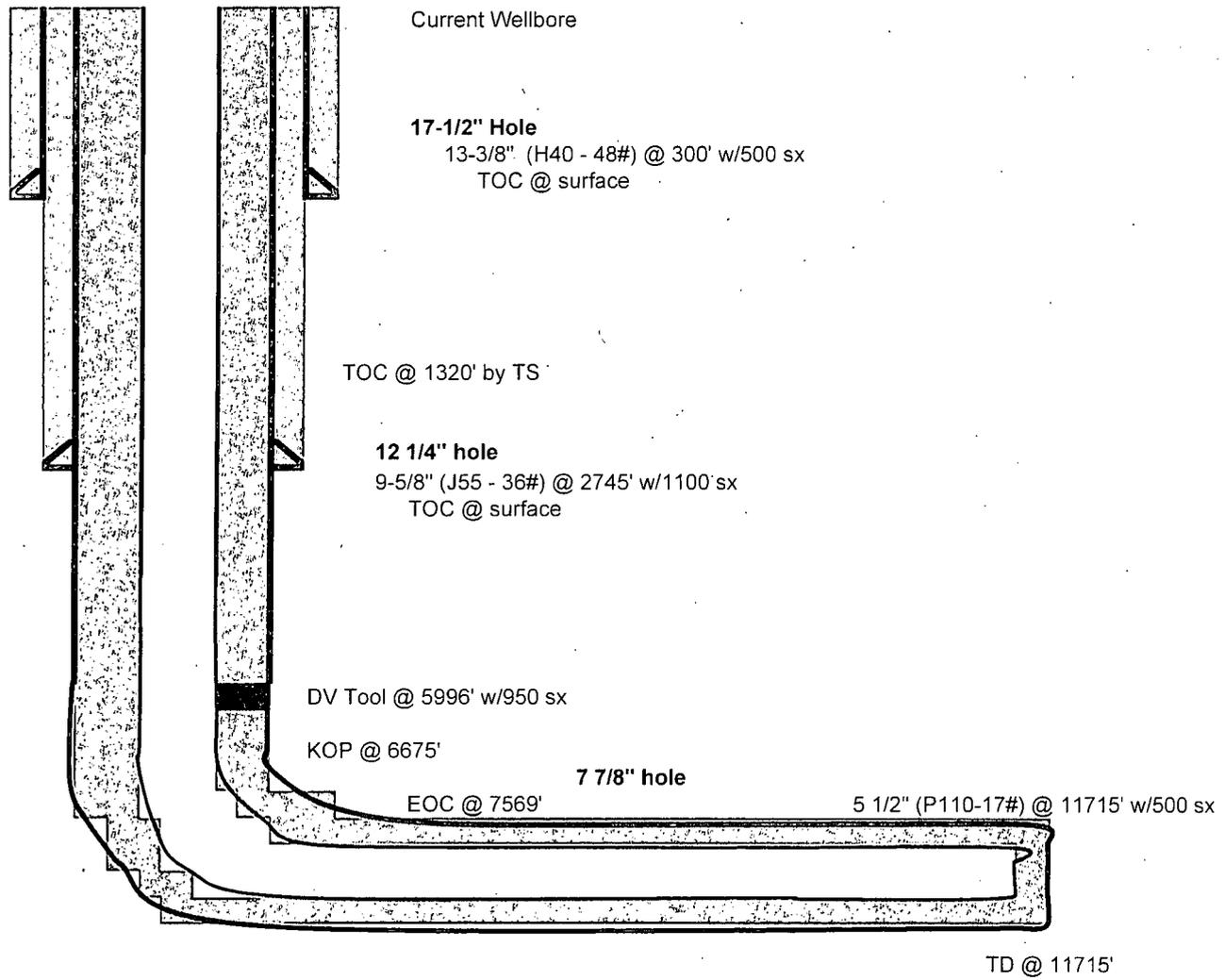
<b>CONCHO</b>			
Author:	Stroup	Well No.:	<b>#1H</b>
Well Name:	<b>Hambone Fee</b>	API #:	30-015-38980
Field:	Rockspur	Prop #:	
County:	Eddy	Zone:	Brushy Canyon
State:	NM		
Date:	10/10/2013		
GL:	2906'		
KB:	2924'		

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	13 3/8	H40	48	300	500	Surface
Inter Csg	9 5/8	J55	36	2,745	1100	Surface
Prod Csg	5 1/2	P110	17	11,715	1,450	Surface



<b>CONCHO</b>			
Author:	Stroup	Well No.:	<b>#1H</b>
Well Name	<b>Hambone Fee</b>	API #:	30-015-38980
Field	Rockspur: BS	Prop #:	
County	Eddy	Zone:	Avalon Shale
State	NM		
Date	10/10/2013		
GL	2906'		
KB	2924'		

Description	O.D.	Grade	Weight	Depth	Cmt Sx	TOC
Surface Csg	13 3/8	H40	48	300	500	Surface
Inter Csg	9 5/8	J55	36	2,745	1100	Surface
Prod Csg	5 1/2	P110	17	11,715	1,450	Surface



Perfs/Frac Stage

- 6950, 7021, 7092, 7163, 7234
- 7305, 7377, 7448, 7519, 7590
- 7661, 7732, 7803, 7874, 7945
- 8016, 8088, 8159, 8230, 8301
- 8372, 8443, 8514, 8585, 8656
- 8727, 8798, 8870, 8941, 9012
- 9083, 9154, 9225, 9296, 9367
- 9438, 9509, 9580, 9652, 9723
- 9794, 9865, 9936, 10007, 10078
- 10149, 10220, 10291, 10363, 10434
- 10505, 10576, 10647, 10718, 10789
- 10860, 10931, 11002, 11073, 11145
- 11216, 11287, 113E

**Hambone Fee Com 1H  
30-015-38980  
COG Operating LLC  
May 08, 2014  
Conditions of Approval**

**Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.**

**Work to be completed by August 08, 2014.**

- 1. Operator shall place a balanced Class C Cement plug from 6,725'-6,425' to seal the top of the Bone Spring formation and lateral.**
- 2. Operator shall place a balanced Class C Cement plug from 6,046'-5,946' to cover the DV tool at 5,996'. WOC. Tag.**
- 3. 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.**
4. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
5. Surface disturbance beyond the originally approved pad must have prior approval.
6. Closed loop system required.
7. 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.
8. Operator to have H2S monitoring equipment on location.
9. 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.

10. Subsequent sundry required detailing work done, a C-102 form, and completion report for the new formations. Operator to include well bore schematic of current well condition when work is complete.

11. See attached for general requirements.

JAM 050814

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

**General Requirements for Plug Backs**

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 this approval.

**If you are unable to plug back the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.**

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822.

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. **Before pumping 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. **Subsequent Plug back Reporting:** Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back 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 work was completed.**

7. **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.