

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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.*5. Lease Serial No.  
NMNM2515

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
MESA VERDE 15 FEDERAL 019. API Well No.  
30-025-36836-00-S110. Field and Pool or Exploratory Area  
HAT MESA11. County or Parish, State  
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

JAN 16 2019

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator  
COG OPERATING LLCContact: ABIGAIL ANDERSON  
E-Mail: abbym@bcmmandassociates.com3a. Address  
ONE CONCHO CENTER 600 W ILLINOIS AVENUE  
MIDLAND, TX 79701-42873b. Phone No. (include area code)  
Ph: 432-580-71614. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 15 T21S R32E NENE Lot A 990FNL 990FEL

## 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 recompleate 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.

RTH Tag CIBP @ 11790. Dump Bail 35' ent.

1. MIRU. ND well head, NU BOP. POH w/ tbg.

2. Set 5 1/2" CIBP @ 8975'. Pressure test csg. Circ hole w/ MLF. Spot 25 sx cmt @ 8975-8725'.

3. Spot 25 sx cmt @ 5330-5430'. WOC &amp; Tag (8 5/8" Shoe) 5586 - 5233. Tag (Dol &amp; shoe) 35 sx.

4. Perf &amp; Sqz 400 sx cmt @ 3680-1700'. WOC &amp; Tag (11 3/4" Shoe, R-111P Potash Area, &amp; DV Tool)

5. Perf &amp; Sqz 50 sx cmt @ 1594-1394'. WOC &amp; Tag (11 3/4" Shoe).

6. Perf &amp; Sqz 25 sx @ 60' to Surface.

7. Cut off well head, verify cmt to surface, weld on Dry Hole Marker.

Below ground level dry hole marker required.

R-111-P

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

Electronic Submission #447894 verified by the BLM Well Information System  
For COG OPERATING LLC, sent to the Hobbs

Committed to AFMSS for processing by DEBORAH MCKINNEY on 12/17/2018 (19DLM0193SE)

Name (Printed/Typed) ABIGAIL ANDERSON

Title AGENT

Signature (Electronic Submission)

Date 12/14/2018

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By James A. JonesTitle SAFT12-19-18  
Date

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 CHO

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 \*\*

FOR RECORD ONLY

Kerry Jother NM OCD 1-17-19

**WELL NAME:** Mesa Verde 15 Fed #1  
**STATE:** NM  
**API NO:** 30-025-35636  
**TD:** 14880'

**FIELD:** Hot Mesa  
**COUNTY:** Lea  
**SPOD DATE:** 12-4-2004  
**PBTD:** 14788' (4-12-05)

**LSER:** 035940  
**LOCATION:** 990' RIL & 590' FEL of 15-21S-32E  
**FORMATION:** Wolfcamp  
**ELEVATION:** 3864'

PIPE RECORD								CEMENT & HOLE DATA				
CSG	OD	GRADE	THD	WT/LF	TOP	BTM	# JTS	DT SIZE	DEPTH	SK	WT.	TOC
Surf	16.000"	K55	BTC	75.00#	0'	1544'	34	18.500"		870		Surf
Inter	11.750"	HQ125	BTC	54.00#	0'	3630'	64	14.750"		1240		Surf
Inter	8.625"	HCK55	BTC	32.00#	0'	5283'	123	10.625"		850		Surf
Prod	5.500"	P110	LTC	20.00#	0'	14880'	341	7.875"		2300		5083' Ex.
Tbg	2.375"	L80	BUE 2nd	4.70#	0'	11749'	370					

**Remarks:**  
 3/10/05: Frac perf 14,689-14,528 w/ 97.50% 20-40 Ultra Prop 275 tons Co2 downhole and 604 bbls fluid  
 3/13/05: Frac Upper Morrow w/ 100,000# 10-40 Ultra Prop 1060 bbls fluid and 298 tons Co2  
 4/28/05: First sales  
 3/27/06: (Perfs 13844-13968" - Upr Morrow) Acids w/ 4500 gals 7% NEFE acid and 35 balls  
 Balled out w/ 32 balls on 3.3 avg bpm  
 4/1/06: (Perfs 13338"-13554" - Archer) Acids w/ 2000 gals 7% NEFE acid and 21 balls  
 Balled out w/ 16 balls on 7000#  
 4/7/06: (Perfs 13158"-13310" - Strawn) Acids w/ 10 bbls acid and 14 balls on formation  
 Balled out @ 7:12 Pmp k/p. Finally pumping flush 5747# 3 bpm  
 5/8/06: (Perfs 13158"-13310" - Strawn) Frac treat w/ 119,830# 20-40 Bunka sand and 4520 bbls of fluid  
 6/19/06: (Perfs 13118"-13120" 13158"-13318" - Strawn) Acids w/ 1000 gals 7.5% HCL acid w/ ball sealers. Push in 64 bbls 4% HCL over, little ball action  
 6/26/06: Set well up for intermittent sales  
 10/5/06: (Perfs 13118"-13128" - Strawn) Acids w/ 1000 gals 7.5% NEFE acid  
 10/8/06: (Perfs 11044"-13074" - Wolfcamp) Acids w/ 4500 gals 7.5% NEFE acid w/ 62 ball sealers  
 Propose to recomple to the Bone Spring

CAPACITIES (bbl/hr) (ft/bbl) (cf/hr)					
TBG 2.375 in 4 7/8					
CSG 5.5 in 20#	02210	45.09	12450		

VOLUME BETWEEN (bbl/hr) (ft/bbl) (cf/hr)					
130120	0.375				
130120					
130120					
130120					

PERFORMANCE RECORD					
DATE	TOP	BTM	ZONE	STATUS	SPF
Notes: For Perfs prior to 2006 See Comments					
9/25/2003	13500'	13500'	Upr Morrow	Abandoned	2
9/26/2003	13070'	13074'	Upr Morrow	Abandoned	2
9/23/2006	13544'	13559'	Upr Morrow	Abandoned	2
3/30/2006	13338'	13554'	Archer	Abandoned	2
4/6/2006	13158'	13310'	Strawn	Abandoned	1
6/10/2006	13118'	13318'	Strawn	Abandoned	4
10/7/2006	13044'	13074'	Wolfcamp	Abandoned	
Proposed	5009'	5009'	Bone Spring	Open	
Proposed	5100'	5100'	Bone Spring	Open	
Proposed	5110'	5110'	Bone Spring	Open	

**LOGS:** Triple Conduit 36.05'

**As of 03/08/09:**  
 Tbg mandrel  
 370 JTS 2.375" L80 TBG  
 5.5" O.D. TOOL W/ 7.875" X 11785  
 2.385" X 5.5" LOK PKR @ 11785  
 8" X 2.375" L80 SUB  
 1.87 KN N PPLF W/ 1.75 NO-GO ID  
 W/ REENTRY GUIDE  
 ROT @ 11749'

**TUBULAR GOODS PERFORMANCE**

Material	ID (in)	Drift (in)	Collapse (psi)	Burst (psi)	Tensile (lbs)
16" K55 BTC 75#	15.124	14.935	1020	2630	1331,000
11.75" HQ125 BTC 54#	7.921	7.796	4130	3930	558,000
9.625" HCK55 BTC 30#	4.770	4.653	11,080	12,640	548,000
5.5" P110 LTC 20#	1.995	1.901	11,700	11,200	

**PREPARED BY:** LeAnne Haskins  
**DATE:** 4-26-2005  
**Updated:** 9-18-2010 gls

**OFFICE:** (916) 503-1781  
**FAX:** (916) 591-1702

Restler 1500  
 Yates 3515  
 Capitan 3670  
 Del. 5536  
 BS 9864  
 WC 11842  
 Per 1210  
 ST 1313  
 AT 1332  
 MR 135  
 B. 14800

PBTD 14788

32.4833755  
 -103.6572571



**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 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. 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 10<sup>th</sup> 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 1<sup>st</sup> through June 15<sup>th</sup> 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