

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.
NMNM13280

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NMNM114020

8. Well Name and No.
GUNSLINGER 11 FED COM 2

9. API Well No.
30-025-38122-00-S1

10. Field and Pool or Exploratory Area
TEAS-PENN

11. County or Parish, State
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

HOBBS
MAR 22 2018
RECEIVED

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
COG OPERATING LLC
Contact: ABIGAIL MONTGOMERY
E-Mail: Abbym@bcmmandassociates.com

3a. Address
ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287

3b. Phone No. (include area code)
Ph: 432-580-7161

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 11 T20S R33E NESW 2380FSL 1675FWL

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 (S)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disp

INT TO PA PM off
P&A NR _____ y
P&A R _____

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 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.

- Set 4 1/2" CIBP @ 13,376'. Circulate hole w/ MLF. Pressure test casing. Spot 25 sx class H cmt @ 13,376-13,030'. *Add 230' plug from 12522-12302 (T/straw)*
- Spot 25 sx class H cmt @ 11,250-10,900' (Wolfcamp)
- Spot 25 sx class H cmt @ 8455-8105' (Bone Spring)
- Spot 25 sx class C cmt @ 5067-4717'. WOC & Tag (8 5/8" shoe) *T/2 w/*
- Spot 35 sx class C cmt @ 3621-3271'. WOC & Tag (11 3/4" shoe & DV Tool)
- Spot 120 sx class C cmt @ 3028-1300' WOC & Tag (R-111-P Potash section)
- Spot 25 sx class C cmt @ 1163-813'. WOC & Tag (16" Shoe)
- Spot 25 sx class C cmt @ 250-Surface.
- Cut off well head, verify cmt to surface, weld on Below Ground Dry Hole Marker.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECLAMATION PROCEDURE
ATTACHED

Below ground level dry hole marker required

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

Electronic Submission #405318 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by JIM AMOS on 03/13/2018 (18JA0039SE)

Name (Printed/Typed) ABIGAIL MONTGOMERY Title AGENT

Signature (Electronic Submission) Date 02/21/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By James C. Amos Title Supv. AET Date 3-18-18

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 Carlsbad

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 **

FOR RECORD ONLY
NMOCD 03/26/2018

WELL NAME: Gunslinger 11 Fed Com #2 FIELD: Teas LSE#: 039507
 STATE: NM COUNTY: Lea LOCATION: SL 2360' FSL & 1675' FWL of 11-20S-33E
 API NO: 30-025-38122 SPUD DATE: 10/22/2006 FORMATION: Morrow BH 1980' FSL & 1980' FEL of 11-20S-33E
 TD: 14080' PBTD: 13948' ELEVATION: 3582' GL

PIPE RECORD								CEMENT & HOLE DATA				
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEPTH	SX	WT.	TOC
Surf	16.000"	J55	BTC	75.00#	0'	1113'	25	18.500"		1160		Surf
Inter	11.750"	J55	BT&C	54.00#	0'	3571'	83	14.750"		2190		Surf
Inter	8.625"	HCK55	BT&C	32.00#	0'	5017'	117	10.625"		670		Surf
Prod	4.500"	P110	LTC	13.50#	0'	14075'	325	7.875"		2520		Surf
Tbg	2.375"				0'	13330'	411					

Remarks:
 01/29/2007: (Perfs 13741'-13793') Brkdwn Morrow 1 formation @ 5339#. 6.7 BPM. Frac w/41,554# 20/40 Bauxite, 405 bbls fluid and 161 tons CO2 downhole.
 01/29/2007: (Perfs 13518'-13565') Frac Middle Morrow w/30,120# 20/40 Bauxite, 504 bbls fluid and 220 tons CO2 downhole Cap w/15 bbls fluid.
 01/30/2007: (Perfs 13426'-13466') Frac w/16,400# 20/40 Bauxite, 253 bbls fluid and 100 tons CO2 downhole.
 03/09/2007: First Sales

CAPACITIES			
	(bbl/ft)	(ft/bbl)	(cf/ft)
TBG	2.375 in. #		
CSG	4.5 in. 13.5#	.01490	66.99
			.08380
VOLUME BETWEEN			
	(bbl/ft)	(ft/bbl)	(cf/ft)
TBGxCSG	2.375x4.5		
TBGxHOLE			
CSGxHOLE			
TBGxHOLE			
TBGxHOLE			

PERFORATION RECORD					
DATE	TOP	BTM	ZONE	STATUS	SPF
1/25/2007	13741'	13793'	Morrow	Active	2
1/29/2007	13518'	13565'	Morrow	Active	2
1/30/2007	13426'	13466'	Morrow	Active	2

16" @ 1113'
 Anky 1350
 B Salt 2978
 Yaks 3317
 DV @ 3505'
 11.75" @ 3571'
 Del 5025
 FC @ 4971'
 8.625" @ 5017'
 TOC @ Surf
 BS 8405
 WC 11200
 ST 12472
 A+ 12780
 MR 13258

SRC Wt%:
 LOGS:

Downhole equipment as of 02/14/2007:
 X Nipple @ 13310'
 Pkr @ 13320'
 XN Nipple @ 13329'
 411 jts plus 14 tbg subs
 EOT @ 13330'

Material	ID	Drift	Collapse*	Burst*	Tensile*
	(in)	(in)	(psi)	(psi)	(lbs)
16" J55 BTC 75#	15.124	14.936	1,020	2,630	1,331,000
#	10.880	10.724	2,070	3,560	568,000
11.75" J55 BT&C 54#	10.880	10.724	2,070	3,560	606,000
8.625" HCK55 BT&C 32#	7.921	7.796	4,130	3,930	749,000
4.5" P110 LTC 13.5#	4.000	3.795	10,670	12,410	338,000
2.375" #					

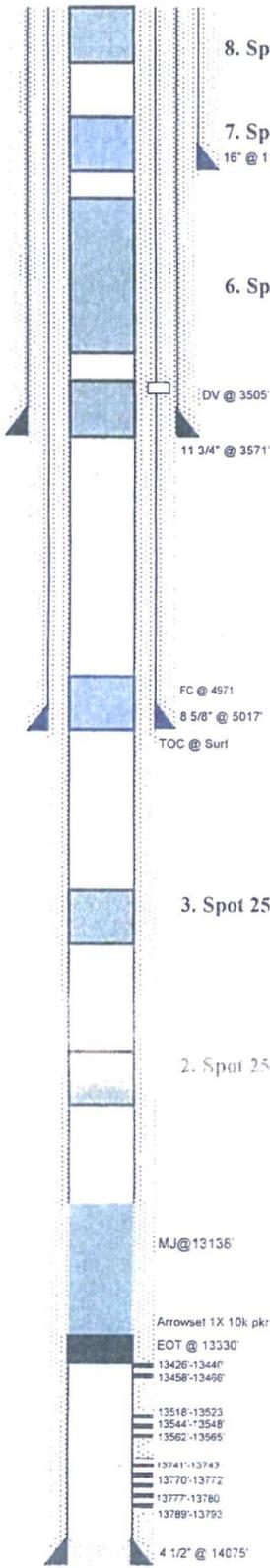
* Safety Factor Not Included

Arrowsel 1X 10k pkr @ 13320'
 EOT @ 13330'
 13426'-13440'
 13456'-13466'
 13518'-13523'
 13544'-13548'
 13567'-13565'
 13741'-13743'
 13770'-13772'
 13777'-13780'
 13788'-13793'
 4.5" @ 14075'
 TD: 14080' PBTD: 13948' FC @ 14029'

PREPARED BY: R Burditt OFFICE: (432) 683-7063
 DATE: 2/14/2007 FAX: (432) 683-6847
 Updated:

32. 5869484
 -103. 6371307

WELL NAME:	Gunslinger 11 Fed Com #2	FIELD:	Teas	LSE#:	039507	SL 2380' FSL & 1675' FWL of 11-20S-33E
STATE:	NM	COUNTY:	Lea	LOCATION:		BH 1980' FSL & 1980' FEL of 11-20S-33E
API NO:	30-025-38122	SPUD DATE:	10/22/2006	FORMATION:	Morrow	
TD:	14080'	PBTD:	13948'	ELEVATION:	3582' GL	



8. Spot 25 sx class C cmt @ 250-Surface.

7. Spot 25 sx class C cmt @ 1163-813'. WOC & Tag (16" Shoe)
16" @ 1113'

6. Spot 120 sx class C cmt @ 3028-1300' WOC & Tag (R-111-P Potash section)

DV @ 3505'
11 3/4" @ 3571'
5. Spot 35 sx class C cmt @ 3621-3271'. WOC & Tag (11 3/4" shoe & DV Tool)

FC @ 4971
8 5/8" @ 5017'
TOC @ Surf
4. Spot 25 sx class C cmt @ 5067-4717'. WOC & Tag (8 5/8" shoe)

3. Spot 25 sx class H cmt @ 8455-8105' (Bone Spring)

2. Spot 25 sx class H cmt @ 11,250-10,900' (A)

MJ@12136'

Arrowset 1X 10k pkr @ 13320'

EOT @ 13330'

13426-13440'
13458-13496'

13518-13523
13544-13548
13562-13565

13741-13743
13770-13772
13777-13780
13789-13793

4 1/2" @ 14075'

TD:14080' PBTD:13948' FC@:14029'

1. Set 4 1/2" CIBP @ 13,376'. Circulate hole w/ MLF. Pressure test casing. Spot 25 sx class H cmt @ 13,376-13,030'.

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292
www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation

equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos
Supervisory Petroleum Engineering Tech
575-234-5909, 575-361-2648 (Cell)

Arthur Arias
Environmental Protection Specialist
575-234-6230

Henryetta Price
Environmental Protection Specialist
575-234-5951

Shelly Tucker
Environmental Protection Specialist
575-234-5979

Trishia Bad Bear, Hobbs Field Station
Natural Resource Specialist
575-393-3612