

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTNMOCD  
ArtesiaFORM 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**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM31099
2. Name of Operator EOG Y RESOURCES INC		6. If Indian, Allottee or Tribe Name
3a. Address 105 SOUTH FOURTH STREET ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 575-748-4311		8. Well Name and No. HORN YG FEDERAL 2
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T8S R26E NESE 1500FNL 1160FEL		9. API Well No. 30-005-63220-00-C1
		10. Field and Pool or Exploratory Area FOOR RANCH-PRE-PERMIAN, N PECOS SLOPE-ABO
		11. County or Parish, State CHAVES 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 recompleat 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. POOH with production equipment
2. RIH with GR and JB to 5,740ft
3. CIBP at 5,730ft with 35ft class c cement dump bail. WOC and tag
4. CIBP at 4,380ft with 25sx class c cement plug spotted over CIBP. WOC and tag.
5. Spot 25sx class c cement plug at 1,890ft to 2,140ft
6. Perf at 980ft. Attempt to establish injection rate. Spot 25sx class c cement plug at 810ft to 1,060ft. WOC and tag.
7. RIH with WL and perforate at 100ft. Attempt to establish circulation. Spot 10sx class c cement plug at 100ft to surface.
8. Cut off wellhead and weld on DHM per conditions of approval. Clean location as per regulation.

GC 3/7/19  
Accepted for record - NMOCD

RECEIVED

MAR 07 2019

DISTRICT II-ARTESIA O.C.D.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Electronic Submission #456132 verified by the BLM Well Information System For EOG Y RESOURCES INC. sent to the Roswell Committed to AFMSS for processing by JENNIFER SANCHEZ on 02/27/2019 (19JS0041SE)	
Name (Printed/Typed) JEREMY HAASS	Title REGULATORY SPECIALIST
Signature (Electronic Submission)	Date 02/27/2019
APPROVED	
THIS SPACE FOR FEDERAL OR STATE OFFICIAL USE	
Approved By 	Title BUREAU OF LAND MANAGEMENT ROSWELL FIELD MANAGEMENT
Office	
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.	
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 \*\*

ENTERED  
4-3-19

## Revisions to Operator-Submitted EC Data for Sundry Notice #456132

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	ABD NOI	ABD NOI
Lease:	NMNM31099	NMNM31099
Agreement:		
Operator:	EOG RESOURCES INCORPORATED 104 SOUTH FOURTH STREET ARTESIA, NM 88210 Ph: 575-748-4311	EOG Y RESOURCES INC 105 SOUTH FOURTH STREET ARTESIA, NM 88210 Ph: 575-748-1471
Admin Contact:	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com  Ph: 575-748-4311	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com  Ph: 575-748-4311
Tech Contact:	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com  Ph: 575-748-4311	JEREMY HAASS REGULATORY SPECIALIST E-Mail: jeremy_haass@eogresources.com  Ph: 575-748-4311
Location:		
State:	NM	NM
County:	CHAVES	CHAVES
Field/Pool:	PECOS SLOPE ABO	FOOR RANCH-PRE-PERMIAN, N PECOS SLOPE-ABO
Well/Facility:	HORN YG FEDERAL 2 Sec 10 T8S R26E NESE 1500FSL 1160FEL 33.631359 N Lat, 104.279970 W Lon	HORN YG FEDERAL 2 Sec 10 T8S R26E NESE 1500FNL 1160FEL

# Horn YG Fed #2 - Proposed

Sec-TWN-RNG: 10-8S-26E

FOOTAGES: 1500' FSL & 1160' FEL

API: 30-005-63220

GL: 3890

KB:

COMMENTS  
Plug #5 - Surface Plug

Plug #4 - 8 5/8" Csg Shoe  
& SA Top

Plug #3 - Giorieta Top

Plug #2 - Open Abo Perfs & Abo Top

Plug #1 - Open Penn Perfs

A

B

PBTD: 5,850 MD

## CASING DETAIL

#	HOLE SIZE	CSG SIZE	WGHT	GRADE	Top	Bottom	Sx Cmt	Circ/TOC	TOC Method
A	12 1/4	8 5/8	24	J-55	0	932	900	1" to Surface	
B	7 7/8	5 1/2	15.5	J-55	0	8,038	604	2 STAGE CIRC	

## FORMATION TOPS

	FORMATION	TOP							
	SAN ANDRES	1012							
	GLORIETA	2088							
	Yeso	2210							
	Tubb	3649							
	Abo	4384							
	Wolfcamp	5628							
	Penn Clastics	5744							
	Mississippian	5913							
	Ordovician	5934							

## PLUG DETAIL

#	SX	CMT CLASS	TOP	BTM	DESCRIPTION
1	CIBP w/ 35'	C	5695	5730	Open Penn Perfs
2	CIBP w/ 25sx	C	4130	4380	Open Abo Perfs and Abo Top
3	25	C	1890	2140	Glorieta Top
4	25	C	810	1060	8 5/8" Csg Shoe and San Andres Top
5	10	C	0	100	Surface Plug

## ADDITIONAL DETAIL

	FORMATION	TOP	BTM	#	SIZE	NOTES
PERFS	Ordovician	5934	5939	20	0.38	Acidized w/ 500gal HCL
CIBP w/ 35'		5885	5920			
Composite Plug		5850				Drilled & pushed down after frac
PERFS	PENN	5786	5802	34	0.41	1500gal 7-1/2% & Frac'd
PERFS	ABO	4436	4776	19	0.42	FRAC'D

Prepared by: JDE

Date: 2/13/2019



**Horn YG Federal 2  
30-005-63220  
EOG Y RESOURCES, INC.  
February 28, 2019  
Conditions of Approval**

- 1. Operator shall place CIBP at 5,730' (50'-100' above top most perf) and place 25 sx of Class C cement on top as proposed to seal perfs and Wolfcamp Formation. WOC and TAG.**
- 2. Operator shall place CIBP at 4,380' (50'-100' above top most perf) and place 25 sx of Class C cement on top as proposed to seal perfs and Abo Formation. WOC and TAG.**
- 3. Operator shall place a balanced Class C cement plug from 1,890'-2,140' as proposed to seal the Glorettia Formation.**
- 4. Operator shall perf and squeeze at 980'. Operator shall place a balanced Class C cement plug from 1,060'-810' to seal the 8-5/8" shoe as proposed. WOC and TAG.**
- 5. Operator shall perf and squeeze at 200'. Operator shall place a balanced Class C cement plug from 200' to surface.**
- 6. See Attached for general plugging stipulations.**

**JAM 030519**

**BUREAU OF LAND MANAGEMENT**  
**Roswell Field Office**  
**2909 W. Second Street**  
**Roswell, New Mexico 88201**  
**575-627-0272**

**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. Call 575-627-0205.
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.