

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Artesia

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM111983
2. Name of Operator EOG Y RESOURCES, INC.		6. If Indian, Allottee or Tribe Name
3a. Address 104 SOUTH FOURTH STREET ARTESIA, NM 88210		7. If Unit or CA/Agreement, Name and/or No. NMNM117344
3b. Phone No. (include area code) Ph: 575-748-4168 Fx: 575-748-4585		8. Well Name and No. BODDINGTON BKF FEDERAL COM 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T20S R23E NWSE 1880FSL 1980FEL		9. API Well No. 30-015-34651
		10. Field and Pool or Exploratory Area WILDCAT; ABO WG 015 20235 J ABO 98257
		11. County or Parish, State EDDY COUNTY, NM 98262 WFMP

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 type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" 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 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.

REVISED

OC 11-6-17
Accepted for record - NMOCD

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

EOG Y Resources, Inc. plans to plugback, test the Wolfcamp and recomplete to the Abo as follows:

- MIRU all safety equipment as needed. NU BOP. POOH with packer and tubing. Load hole as necessary with fresh water.
- Set a CIBP at 8336 ft with 25 sx of Class H cement on top. This will place a plug over open Morrow perforations.
- Load hole with 85 bbls of plugging mud. Spot a 240 ft Class C cement plug from 5982 ft - 6222 ft. This will leave a plug across Cisco top.
- Perforate Wolfcamp 4690 ft - 4960 ft (271) for DFIT test. *this is above wolfcamp.*
- TIH with packer and set 120 ft above top perf.

NM OIL CONSERVATION
ARTESIA DISTRICT
NOV 06 2017
RECEIVED
APPROVED
10/09/2017
BUREAU OF LAND MANAGEMENT

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

Electronic Submission #391274 verified by the BLM Well Information System
For EOG Y RESOURCES, INC., sent to the Carlsbad
Committed to AFSS for processing by JENNIFER SANCHEZ on 10/26/2017 ()

Name (Printed/Typed) TINA HUERTA

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 10/09/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

2017-29-17

RUP 11-28-17 WFM
11-16-17 ABO

Additional data for EC transaction #391274 that would not fit on the form

32. Additional remarks, continued

6. Acidize with 5000g 20 percent NEFE acid. Drop 1.3 SG RCN ball sealers spaced out evenly throughout the acid flush to the bottom perf with treated water. Limit STP to 5000 psi. Swab, flow test and evaluate.

7. Set a CIBP at 4640 ft with 35' cement on top. This will leave a plug over Wolfcamp perforations. WOC 8 hrs. Load hole with treated water and pressure test casing to 3000 psi.

8. Perforate Abo 3660 ft - 4600 ft (941).

9. TIH with packer and set 120 ft above top perf.

10. Acidize with 5000g 20 percent NEFE acid. Drop 30 1.3 SG RCN ball sealers spaced out evenly throughout the acid flush to the bottom perf with treated water. Limit STP to 5000 psi. Swab, flow test and evaluate. Consider turning well over to production or if the decision to frac POOH with packer and tubing. TIH with packer, profile nipple and frac string. Load hole as necessary with treated water. See attached page for number 11 for frac details.

12. Flow test and evaluate and let well clean up. If the well is dead or pressure is low bullhead 10lb brine with biocide and POOH with tubing and packer. If the well head pressure is staying above 200 psi set a blanking plug in the O/O tool jay off the packer and POOH with frac string. TIH with production tubing and jay back onto the packer and pull blanking plug.

13. Swab well in and turn over to production.

Wellbore schematics attached

Boddington BKF Federal Com #1
 Section 5-T20S-R23E
 Eddy County, New Mexico
 Page 3

Form 3160-5 continued:

11. MI RU frac valve and WSC to pump a fracturing treatment down the 3.5" tubing at 38-40 BPM while limiting the surface treating pressure to less than 8,600 psi.

Treating Schedule					lb Proppant		
Stage Number	Stage	gal	Fluid	Prop Conc lb/gal	Stage	Cumulative	Proppant
1	Injection	1500.	Slickwater	0.00	0.	0.	----
2	Acid	2000.	20% HCL	0.00	0.	0.	----
3	Pad	2000.	Slickwater	0.00	0.	0.	----
4	ISIP	0.	Slickwater	0.00	0.	0.	----
5	Pad	14000.	Slickwater	0.00	0.	0.	----
6	SLF	33000.	Slickwater	0.50	16500.	16500.	100 Mesh
7	SLF	25000.	Slickwater	1.00	25000.	41500.	100 Mesh
8	SLF	22000.	Slickwater	1.50	33000.	74500.	100 Mesh
9	SLF	17000.	Slickwater	2.00	34000.	108500.	100 Mesh
10	SLF	6600.	Slickwater	2.50	16500.	125000.	100 Mesh
11	Flush	1500.	Slickwater	0.00	0.	0.	----

**Estimated Surface Treating Pressure = 4,564 psig.
 Maximum Surface Treating Pressure = 8,600 psig.**

Fluid Specifications: Fresh water with 0.8 Gal/M FR, biocide and scale inhibitor.

EOG will provide:
 6 clean frac tanks with 480 bbls of fresh water for the treatment and flush.

WELL NAME: BODDINGTON BKF FEDERAL COM No. 1 **FIELD:** Wildcat Permo Penn
LOCATION: 1880 FSL & 1980 FEL Sec 5-20S-23E Eddy County NM
GL: 4,092' **ZERO:** 16' **KB:** 4,108'
SPUD DATE: 3/3/06 **COMPLETION DATE:** 4/12/06
COMMENTS: API No.: 30-015-34651

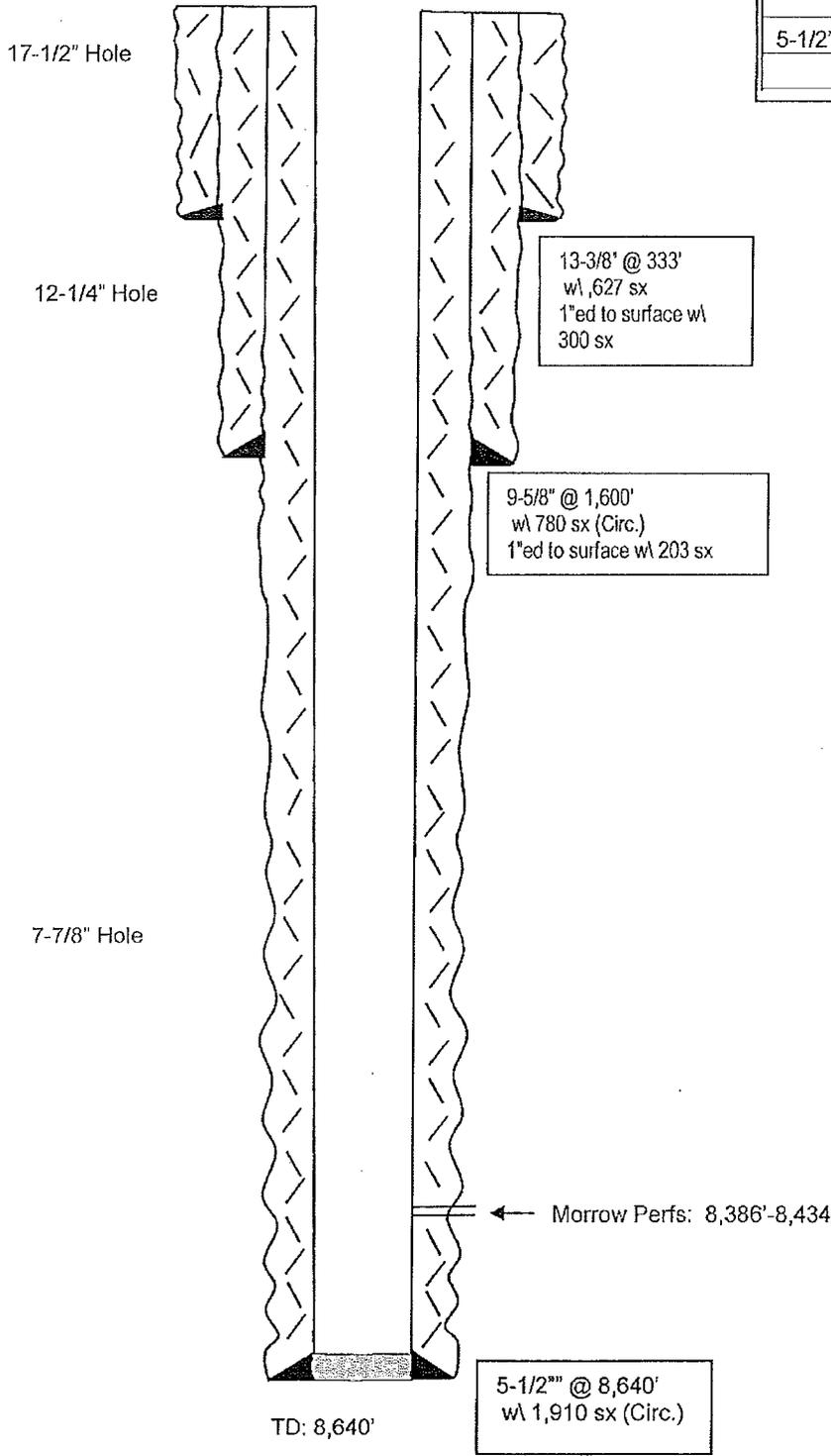
CASING PROGRAM

13-3/8" 48#	333'
9-5/8" 36#	1,600'
5-1/2" 15.5 & 17#	8,640'

Before

TOPS

San Andres	384'
Glorieta	1,941'
Yeso	2,215'
Tubb	2,906'
Abo	3,538'
Wolfcamp	4,695'
Cisco	6,172'
Strawn	7,402'
Atoka	7,949'
Morrow	8,238'



Not to Scale
 09/25/17
 JMH

10. A minimum of a **5000 (5M)** 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 (5M 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.
11. **Subsequent sundry required detailing work done and completion report for the new formations. Operator to include well bore schematic of current well condition when work is complete.**
12. **REMOVE "COM" from the name.**
13. **See attached for general requirements.**

JAM 102617

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

Permanent Abandonment of Production Zone Conditions of Approval

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 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 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. For wells in 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.**

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.