

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.
NMNM122624

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.
NMNM139647

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
WILD WEASEL 15 FED COM 706H

2. Name of Operator
EOG RESOURCES INCORPORATED
Contact: EMILY FOLLIS
E-Mail: emily_follis@eogresources.com

9. API Well No.
30-025-45800-00-X1

3a. Address
PO BOX 2267
MIDLAND, TX 79702

3b. Phone No. (include area code)
Ph: 432-636-3600

10. Field and Pool or Exploratory Area
RED HILLS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 15 T25S R34E SWSE 324FSL 2133FEL
32.124149 N Lat, 103.456177 W Lon

11. County or Parish, State
LEA 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<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 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.

EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes:

- Change well name to Wild Weasel 15 Fed Com #706H
- BHL change to T-25-S R-34-E Sec. 27 100? FSL 2412? FWL
- Reduce HSU to 640 acres

**Carlsbad Field Office
OCD Hobbs**

Same COAs as P.

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

**Electronic Submission #480669 verified by the BLM Well Information System
For EOG RESOURCES INCORPORATED, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 08/27/2019 (19PP2953SE)**

Name (Printed/Typed) BEN HO	Title REGULATORY
Signature (Electronic Submission)	Date 08/27/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JEROMY PORTER Title PETROLEUM ENGINEER Date 08/30/2019

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 Hobbs

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 ****

REQUIRES NFL

Revisions to Operator-Submitted EC Data for Sundry Notice #480669

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM122624	NMNM122624
Agreement:		NMNM139647 (NMNM139647)
Operator:	EOG RESOURCES INC PO BOX 2267 MIDLAND, TX 79702 Ph: 432-636-3600	EOG RESOURCES INCORPORATED PO BOX 2267 MIDLAND, TX 79702 Ph: 432.686.3689
Admin Contact:	EMILY FOLLIS SR REGULATORY ADMINISTRATOR E-Mail: emily_follis@eogresources.com Ph: 432.636.3600	EMILY FOLLIS SR REGULATORY ADMINISTRATOR E-Mail: emily_follis@eogresources.com Ph: 432-636-3600
Tech Contact:	BEN HO REGULATORY ASSOC. E-Mail: Ben_Hocher@eogresources.com Ph: 432-636-3600	BEN HO REGULATORY E-Mail: Ben_Hocher@eogresources.com Ph: 432-686-3623
Location:		
State:	NM	NM
County:	LEA COUNTY	LEA
Field/Pool:	96994 PITCHFORK RANCH:WC	RED HILLS
Well/Facility:	WILD WEASEL 22 FED COM 706H Sec 15 T25S R34E 324FSL 2133FEL	WILD WEASEL 15 FED COM 706H Sec 15 T25S R34E SWSE 324FSL 2133FEL 32.124149 N Lat, 103.456177 W Lon

Revised Permit Information 8/27/2019:

Well Name: Wild Weasel 15 Fed Com #706H

Location:

SHL: 324' FSL & 2133' FEL, Section 15, T-25-S, R-34-E, Lea Co., N.M.

BHL: 100' FSL & 2412' FWL, Section 27, T-25-S, R-34-E, Lea Co., N.M.

Design A**Casing Program:**

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
12.25"	0' - 984'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
8.75"	0' - 11,530'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0' - 11,030'	5.5"	20#	P-110 EC	DWC/C-IS MS	1.125	1.25	1.60
6.75"	11,030' - 11,530'	5.5"	20#	HCP-110	VAM SFC	1.125	1.25	1.60
6.75"	11,530' - 22,819'	5.5"	20#	P-110 EC	DWC/C-IS MS	1.125	1.25	1.60

Variance is requested to waive the centralizer requirements for the 7-5/8" FJ casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 5-1/2" FJ casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

EOG requests variance to allow deviation from the 0.422" annulus clearance requirement from Onshore Order #2 under the following conditions:

- Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casing strings.
- Annular clearance less than 0.422" is acceptable for the curve and lateral portions of the production open hole section.

EOG also requests to retain the option to utilize the previously permitted 4 string design, to be referred to as Design B.

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /sk k	Slurry Description
984' 9-5/8"	830	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	80	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 845')
11,530' 7-5/8"	470	14.2	1.11	1 st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 7,800')
	1,000	12.7	2.30	2 nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
22,819' 5-1/2"	950	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 11,030')

Additive	Purpose
Bentonite Gel	Lightweight/Lost circulation prevention
Calcium Chloride	Accelerator
Cello-flake	Lost circulation prevention
Sodium Metasilicate	Accelerator
MagOx	Expansive agent
Pre-Mag-M	Expansive agent
Sodium Chloride	Accelerator
FL-62	Fluid loss control
Halad-344	Fluid loss control
Halad-9	Fluid loss control
HR-601	Retarder
Microbond	Expansive Agent

EOG requests variance from minimum standards to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated TOC at the Brushy Canyon and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary a top out consisting of 1,000 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top of cement will be verified by Echo-meter.

EOG also requests variance for the option to perform this cement procedure on Design B in the 7-5/8" 2nd Intermediate casing string as a contingency plan.

EOG will include the final fluid top verified by Echo-meter and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 984'	Fresh - Gel	8.6-8.8	28-34	N/c
984' - 11,530'	Oil Base	10.0-10.2	28-34	N/c
11,530' - 12,137'	Oil Base	8.7-9.4	58-68	N/c - 6
12,137' - 22,819' Lateral	Oil Base	10.0-14.0	58-68	3 - 6

Revised Wellbore
Design A

KB: 3,369'
GL: 3,344'

API: 30-025-45800

Bit Size: 12-1/4"

9-5/8", 40#, J-55, LTC 0' - 984'

Bit Size: 8-3/4"

7-5/8", 29.7#, HCP-110, FXL @ 0' - 11,530'

TOC: 11,030'

Bit Size: 6-3/4"

5-1/2", 20#, P-110 EC, DWC/C-IS MS @ 0' - 11,030'
5-1/2", 20#, HCP-110, VAM SFC @ 11,030' - 11,530'
5-1/2", 20#, P-110 EC, DWC/C-IS MS @ 11,530' -
22,819'

KOP: 12,137'

Lateral: 22,819' MD, 12,576' TVD
Upper Most Perf:
100' FNL & 2412' FWL Sec. 22
Lower Most Perf:
100' FSL & 2412' FWL Sec. 27
BH Location: 100' FSL & 2412' FWL
Section 27
T-25-S, R-34-E

