

Well Name: RUTHLESS 11 FED COM	Well Location: T25S / R32E / SEC 11 / NENW / 32.1505801 / -103.6495312	County or Parish/State: LEA / NM
Well Number: 504H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM110835	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002547750	Well Status: Drilling Well	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Sundry ID: 2505851

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 06/29/2021	Time Sundry Submitted: 02:59
Date proposed operation will begin: 06/28/2021	

Procedure Description: EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Update casing and cement program to current design.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- EOG_Cameron_3_String_13in_10M_MNDS_20210629145923.PDF
- Ruthless_11_Fed_Com_504H_Sundry_Info___Rev_csg_6.16.2021_20210629145905.pdf

Well Name: RUTHLESS 11 FED COM	Well Location: T25S / R32E / SEC 11 / NENW / 32.1505801 / -103.6495312	County or Parish/State: LEA / NM
Well Number: 504H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM110835	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002547750	Well Status: Drilling Well	Operator: EOG RESOURCES INCORPORATED

Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: ERIC BRORMAN	Signed on: JUN 29, 2021 02:59 PM
Name: EOG RESOURCES INCORPORATED	
Title: Engineering Associate	
Street Address: 5509 CHAMPIONS DRIVE	
City: MIDLAND	State: TX
Phone: (432) 556-1276	
Email address: ERIC_BRORMAN@EOGRESOURCES.COM	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 02/09/2022
Signature: Chris Walls	



Ruthless 11 Fed Com 504H

Revised Permit Information 06/16/2021:

Well Name: Ruthless 11 Fed Com 504H

Location: SHL: 622' FNL & 1455' FWL, Section 11, T-25-S, R-32-E, Lea Co., N.M.

BHL: 100' FSL & 2015' FWL, Section 14, T-25-S, R-32-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DFmin Collapse	DFmin Burst	DFmin Tension
16"	0' - 1,050'	13.375"	54.5#	J-55	STC	1.125	1.25	1.6
12.25"	0' - 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.6
12.25"	4,000' - 4,760'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.6
8.75"	0' - 11,209'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6
8.5"	11,209' - 21,142'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6

Variance is requested to waive the centralizer requirements for the 9-5/8" casing in the 12-1/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 12-1/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 5-1/2" casing in the 8-3/4" and 8-1/2" hole sizes. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" and 8-1/2" hole intervals to maximize cement bond and zonal isolation.

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,050' 13.375"	320	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 850')
4,760' 9.625"	700	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	300	14.8	1.32	Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 3,810')
21,142' 5.5"	630	11.0	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,260')
	2590	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,459')

**Ruthless 11 Fed Com 504H**

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

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,050'	Fresh - Gel	8.6-8.8	28-34	N/c
1,050' – 4,760'	Brine	8.6-8.8	28-34	N/c
4,760' – 21,142'	Oil Base	8.8-9.5	58-68	N/c - 6



Ruthless 11 Fed Com 504H

622' FNL
1455' FWL
Section 11
T-25-S, R-32-E

Revised Wellbore

KB: 3522'
GL: 3497'

API: 30-025-47750

Bit Size: 16"
13-3/8", 54.5#, J-55, STC, 0' - 1,050'

Bit Size: 12-1/4"
9-5/8" 40#, J-55, LTC, 0' - 4,000'
9-5/8" 40#, HCK-55, LTC, 4,000' - 4,760'

Bit Size: 8-3/4"
5-1/2" 17#, HCP-110, LTC@ 0' - 21,142'

TOC: 4,260'

KOP: 10,459'

Lateral: 21,142' MD, 10,880' TVD
Upper Most Perf:
100' FNL & 2015' FWL Sec. 11
Lower Most Perf:
100' FSL & 2015' FWL Sec. 14
BH Location: 100' FSL & 2015' FWL
Sec. 14
T-25-S R-32-E

Bit Size: 8-1/2"

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 80200

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 80200
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	2/10/2022