

Well Name: RUTHLESS 11 FED COM	Well Location: T25S / R32E / SEC 11 / NENW /	County or Parish/State:
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: Approved Application for Permit to Drill	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Type of Submission: Notice of Intent

Type of Action Other

Date Sundry Submitted: 04/30/2021

Time Sundry Submitted: 09:05

Date proposed operation will begin: 06/14/2021

Procedure Description: EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Update casing program to current design with 6" production casing

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- 6.000in_24.50_VST_P110EC_VAM_SFC_Draft_CDS_USA__1__20210430090417.pdf
- 6.000in_24.50__0.400in_Wall__VST_P110EC_DWC_C_IS_CDS_AB_20210430090416.PDF
- Wellhead_9.675_in_20210330084831.pdf
- Ruthless_11_Fed_Com_504H_Permit_Info___Revised_casing_3.29.2021_20210330084825.pdf
- EOG_BLM_10M_Annular_Variance___9.675_in_20210330084818.pdf
- 10_M_Choke_Manifold_20210330084818.pdf
- Co_Flex_Hose_Test_Chart_20210330084817.pdf
- 10_M_BOP_Diagram_9.675_in_20210330084817.pdf
- Co_Flex_Hose_Certification_20210330084817.pdf

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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:

Name: EOG RESOURCES INCORPORATED
Title: Regulatory Specialist
Street Address: 5509 CHAMPIONS DRIVE
City: MIDLAND **State:** TX
Phone: (432) 848-9161
Email address: Star_Harrell@eogresources.com

Signed on:

Field Representative

Representative Name: Eric Brorman
Street Address: 5509 Champions Drive
City: Midland **State:** TX **Zip:** 79706
Phone: (432)556-1276
Email address: eric_brorman@eogresources.com

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS
BLM POC Phone: 5752342234
Disposition: Sundry Returned
Signature: null

BLM POC Title: Petroleum Engineer
BLM POC Email Address: cwalls@blm.gov
Disposition Date: 05/17/2021

Revised Permit Information 3/29/2021:

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.

Design A**Casing Program:**

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
16"	0' – 1,050'	13.375"	54.5#	J-55	STC	1.125	1.25	1.60
12.25"	0' – 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
12.25"	4,000' – 4,760'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0' – 11,209'	6"	24.5#	P-110EC	VAM SFC	1.125	1.25	1.60
7.875"	11,209' – 21,142'	6"	24.5#	P-110EC	VAM SFC	1.125	1.25	1.60

Variance is requested to wave 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 wave any centralizer requirements for the 6" casing in the 8-3/4" and 7-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" and 7-7/8" hole interval to maximize cement bond and zonal isolation.

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /sk	Slurry Description
1,050' 13-3/8"	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')
4,670' 9-5/8"	700	14.2	1.11	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	300	14.8	1.5	Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 3,808')
21,142' 6"	550	11.0	1.31	Lead: Class C + 3% CaCl ₂ + 3% Microbond (TOC @ 4,260')
	2240	14.0	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,459')

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:

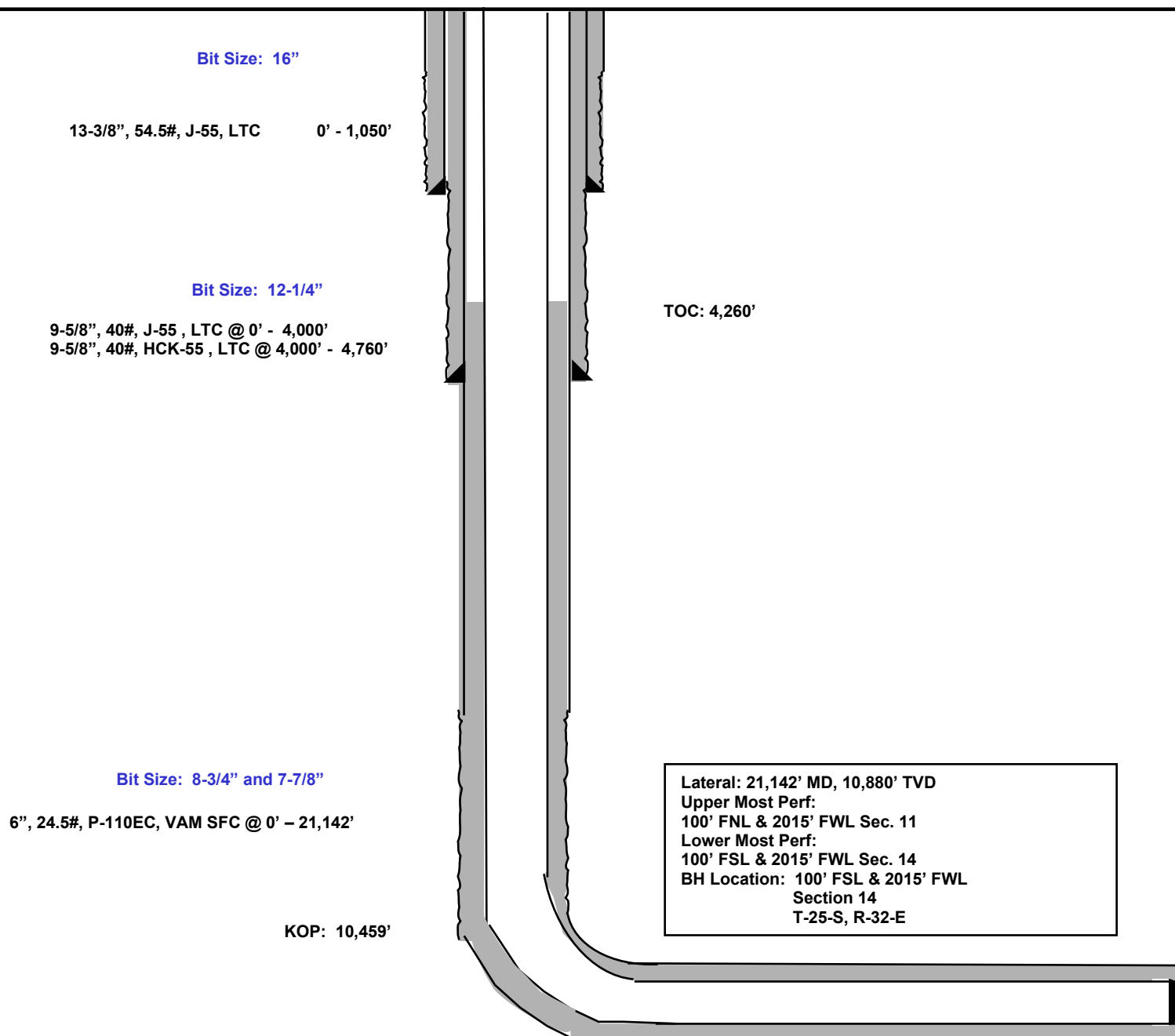
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,050'	Fresh - Gel	8.6-8.8	28-34	N/c
1,050' – 4,760'	Brine	8.6-8.8	28-34	N/c
4,760' – 21,142'	Oil Base	8.8-9.5	58-68	N/c - 6

622' FNL
1455' FWL
Section 13
T-25-S, R-32-E

Revised Wellbore

KB: 3,523'
GL: 3,498'

API: 30-025-48223



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 28485

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 28485
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	8/4/2021