

Well Name: RUTHLESS 11 FED COM	Well Location: T25S / R32E / SEC 11 / NWNE / 32.1509494 / -103.6455235	County or Parish/State: LEA / NM
Well Number: 512H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM15317	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254772500X1	Well Status: Drilling Well	Operator: EOG RESOURCES INCORPORATED

KZ

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 05/17/2021	Time Sundry Submitted: 03:04
Date proposed operation will begin: 05/17/2021	

Procedure Description: 5-18-2021 EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Change name from #704H to #512H. Change SHL to T-25-S, R-32-E, Sec 11, 491' FNL, 2592' FEL, Lea Co., N.M. Change BHL to T-25-S, R-32-E, Sec 14, 100' FSL, 2625' FEL, Lea Co., N.M. Change target formation to Second Bone Spring Sand. Update casing and cement program to current design

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Ruthless_11_Fed_Com_512H_Wall_Plot_20210517150354.pdf
- Ruthless_11_Fed_Com_512H_Planning_Report_20210517150354.pdf
- Wellhead_3_string_13.375_x_9.625_x_5.5_in___EOG_Cameron_3_String_13in_10M_MNDS_20210517150323.PDF
- EOG_Cameron_3_String_13in_10M_MNDS_20210517150322.PDF
- See_previously_attached_Drill_Plan_20210517150322.pdf
- RUTHLESS_11_FED_COM_512H_C102_S_20210517150322.pdf
- Ruthless_11_Fed_Com_512H_Sundry_Des___Rev_Name__SHL__BHL__tgt__csg_4.23.2021_20210517150322.pdf
- Ruthless_11_Fed_Com_512H_Sundry_Info___Rev_Name__SHL__BHL__tgt__csg_4.23.2021_20210517150322.pdf

Received by OCD: 5/26/2021 6:37:48 AM

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10_M_Choke_Manifold_20210517150322.pdf

EOG_BLM_Variance_1c___10M_Annular_Variance___3_String_Large_surface_hole_20210517150322.pdf

5.500in_20.00_VST_P110EC_VAM_SFC_20210517150321.pdf

Co_Flex_Hose_Test_Chart_20210517150321.pdf

10_M_BOP_Diagram_13.625_in_20210517150321.pdf

Co_Flex_Hose_Certification_20210517150321.pdf

5.500in_20.00_VST_P110EC_DWC_C_IS_MS_Spec_Sheet_20210517150321.pdf

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: EMILY FOLLIS	Signed on: MAY 17, 2021 03:03 PM
Name: EOG RESOURCES INCORPORATED	
Title: Sr. Regulatory Administrator	
Street Address: 5509 Champions Drive	
City: Midland	State: TX
Phone: (432) 848-9163	
Email address: emily_follis@eogresources.com	

Field Representative

Representative Name: EMILY FOLLIS	
Street Address: PO BOX 2267	
City: MIDLAND	State: TX
Phone: (432)636-3600	Zip: 79702
Email address: emily_follis@eogresources.com	

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: 05/24/2021
Signature: Chris Walls	

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 3002547725	² Pool Code 97903	³ Pool Name WC-025 G-08 S253235G;LWR BONE SPRING
⁴ Property Code 329701	⁵ Property Name RUTHLESS 11 FED COM	⁶ Well Number 512H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3507'

¹⁰Surface Location

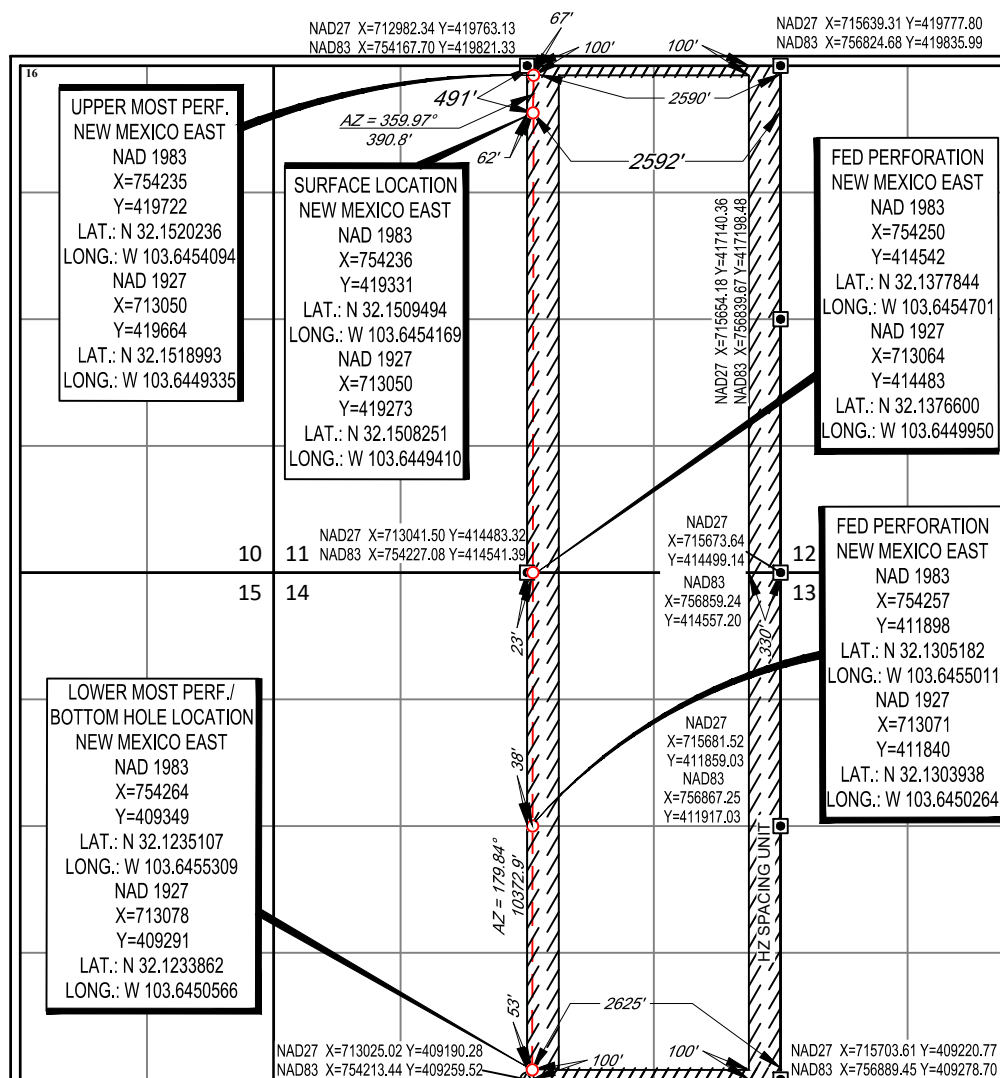
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	11	25-S	32-E	-	491'	NORTH	2592'	EAST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	14	25-S	32-E	-	100'	SOUTH	2625'	EAST	LEA

¹² Dedicated Acres 640.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Emily Follis

5-17-2021

Signature

Date

Emily Follis

Printed Name

emily_follis@eogresources.com

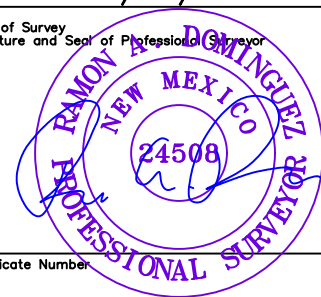
E-mail Address

¹⁸SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

02/06/2019

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number



Ruthless 11 Fed Com 512H

Revised Permit Information 04/23/2021:

Well Name: Ruthless 11 Fed Com 512H

Location: SHL: 491' FNL & 2592' FEL, Section 11, T-25-S, R-32-E, Lea Co., N.M.

BHL: 100' FSL & 2625' FEL, 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' - 11,089'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.6
8.5"	11,089' - 21,035'	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')
21,035' 5.5"	610	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 @ 10,339')

**Ruthless 11 Fed Com 512H**

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' – 21,035'	Oil Base	8.8-9.5	58-68	N/c - 6



Ruthless 11 Fed Com 512H

491' FNL
2592' FEL
Section 11
T-25-S, R-32-E

Revised Wellbore

KB: 3532'
GL: 3507'

API: 30-025-47725

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' - 21,035'

TOC: 4,260'

KOP: 10,339'

Lateral: 21,035' MD, 10,800' TVD
Upper Most Perf:
100' FNL & 2590' FEL Sec. 11
Lower Most Perf:
100' FSL & 2625' FEL Sec. 14
BH Location: 100' FSL & 2625' FEL
Sec. 14
T-25-S R-32-E

Bit Size: 8-1/2"

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

CONDITIONS

Action 29532

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 29532
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	8/5/2021