

Well Name: AUDACIOUS 19 FED	Well Location: T25S / R33E / SEC 19 / NESW /	County or Parish/State:
Well Number: 504H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM110838	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002549005	Well Status: Approved Application for Permit to Drill	Operator: EOG RESOURCES INCORPORATED

Notice of Intent

Type of Submission: Notice of Intent

Date Sundry Submitted: 07/21/2021

Date proposed operation will begin: 08/08/2021

Type of Action Other

Time Sundry Submitted: 09:57

Procedure Description: EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Change SHL to T-25-S, R-33-E, Sec 19, 2246' FSL, 1038' FWL, Lea Co., N.M. Update casing and cement program to current design.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

- Procedure Description
- AUDACIOUS_19_FED_504H_PLAT_SIGNED_20210721095725.pdf
 - Audacious_19_Fed_504H_Sundry_Info___Rev_SHL___csg_6.29.2021_20210721095725.pdf

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Conditions of Approval

Additional Reviews

6.000in_24.50ppf__0.400in_Wall__VST_P110EC_DWC_C_IS_20210818135645.PDF
Audacious_19_Federal_504H_DrillingCOA_Sundry_5208900_20210818135559.pdf
192533_Lot_3_Sundry_2508900_Audacious_19_Federal_504H_Lea_NMNM110838_EOG_13_22_08182021_NMK_20210818135552.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: ERIC BRORMAN
Signed on: JUL 21, 2021 09:57 AM
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: 09/02/2021
Signature: Chris Walls

**Audacious 19 Fed 504H****Revised Permit Information 06/29/2021:**

Well Name: Audacious 19 Fed 504H

Location: SHL: 2246' FSL & 1038' FWL, Section 19, T-25-S, R-33-E, Lea Co., N.M.

BHL: 100' FSL & 1872' FWL, Section 30, T-25-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DFmin Collapse	DFmin Burst	DFmin Tension
16"	0' - 1,060'	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' - 5,080'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.6
8.75"	0' - 11,001'	6"	24#	P-110 HP	Eagle	1.125	1.25	1.6
8.5"	11,001' - 18,294'	6"	24.5#	ICYP-110	TXP	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 6" 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
1,060' 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 @ 860')
5,080' 9.625"	740	12.7	2.22	Lead: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	320	14.8	1.32	Tail: Class C + 10% NaCl + 3% MagOx (TOC @ 4,070')
18,294' 6"	500	11.0	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,584')
	1690	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,251')

**Audacious 19 Fed 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 – 1,060'	Fresh - Gel	8.6-8.8	28-34	N/c
1,060' – 5,080'	Brine	8.6-8.8	28-34	N/c
5,080' – 18,294'	Oil Base	8.8-9.5	58-68	N/c - 6



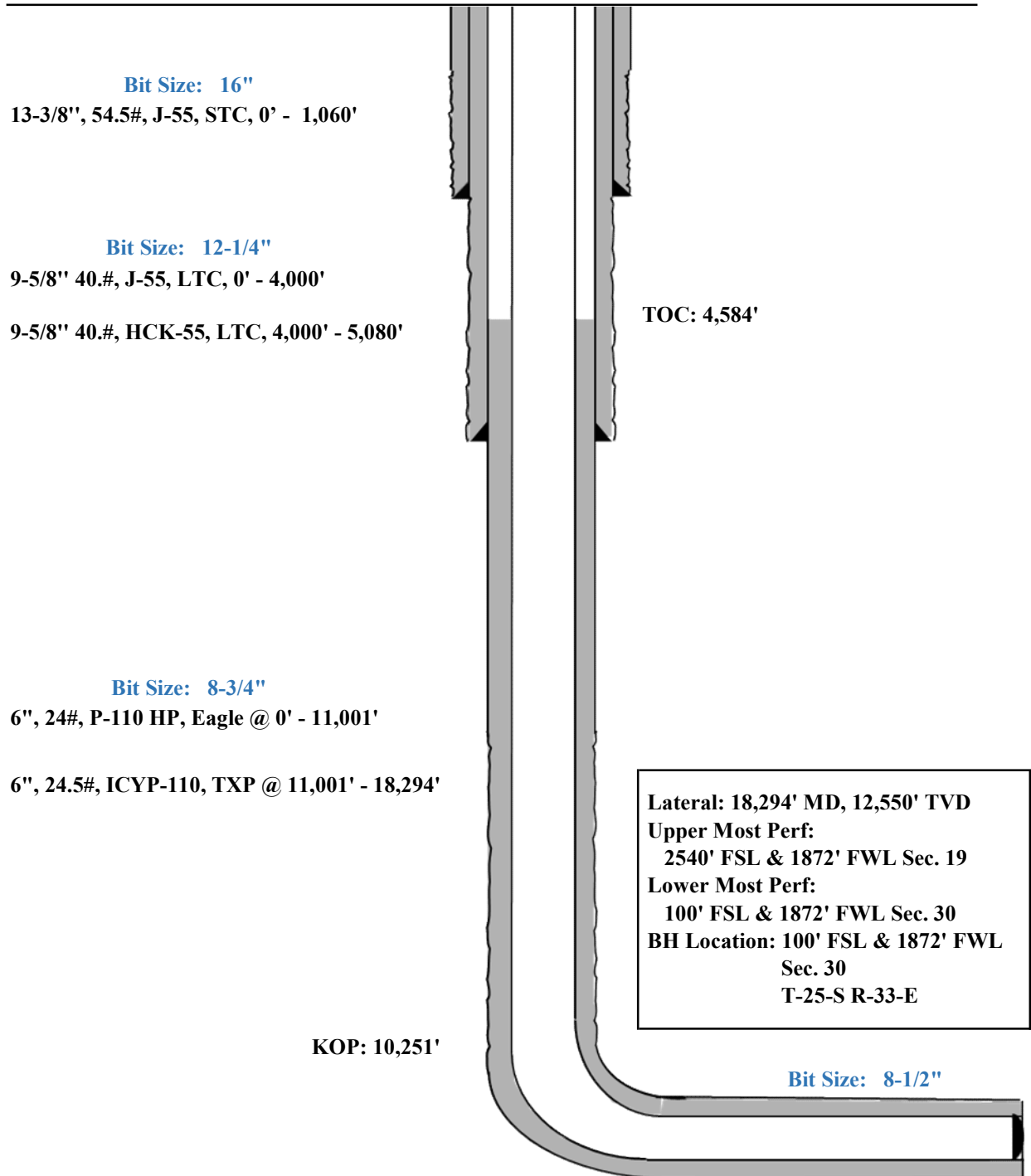
Audacious 19 Fed 504H

2246' FSL
1038' FWL
Section 19
T-25-S, R-33-E

Revised Wellbore

KB: 3487'
GL: 3462'

API: 30-025-49005



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 30-025-49005	² Pool Code 97903	³ Pool Name WC-025 G-08 S253235G; LWR BONE SPRING
⁴ Property Code 322220	⁵ Property Name AUDACIOUS 19 FED	
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁶ Well Number 504H
		⁹ Elevation 3462'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	19	25-S	33-E	-	2246'	SOUTH	1038'	WEST	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
N	30	25-S	33-E	—	100'	SOUTH	1872'	WEST	LEA

¹² Dedicated Acres 480.76	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.

16

SURFACE LOCATION
NEW MEXICO EAST
NAD 1927
X=722070
Y=406254
LAT.: N 32.1148767
LONG.: W 103.6160801
NAD 1983
X=763256
Y=406312
LAT.: N 32.1150013
LONG.: W 103.6165530

X=762213.62
Y=406700.16

1872' 100' 770'

X=764855.70
Y=406718.04

X=764874.26
Y=404078.87

AZ = 70.08°
883.8'

396' 1038' 2246' 2540' 1603'

LOT 3

LOT 4

X=762238.25
Y=404057.74

24

25

LOT 1

LOT 2

X=762246.96
Y=401419.14

LOT 3

LOT 4

X=762263.48
Y=398778.45

1872' 100' 778'

X=764913.12
Y=398798.55

AZ = 179.64° 1720.3'

HZ SPACING UNIT

320'

19 **20**

30

29

UPPER MOST PERF.
NEW MEXICO EAST
NAD 1927
X=722900
Y=406555
LAT.: N 32.1156893
LONG.: W 103.6133900
NAD 1983
X=764087
Y=406613
LAT.: N 32.1158139
LONG.: W 103.6138629

LOWER MOST PERF./
BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1927
X=722948
Y=398835
LAT.: N 32.0944675
LONG.: W 103.6134017
NAD 1983
X=764135
Y=398893
LAT.: N 32.0945922
LONG.: W 103.6138734

T-25-S, R-33-E
SECTION 19
LOT 1 - 40.07 CALLED AC.
LOT 2 - 40.09 CALLED AC.
LOT 3 - 40.11 CALLED AC.
LOT 4 - 40.13 CALLED AC.
SECTION 30
LOT 1 - 40.14 CALLED AC.
LOT 2 - 40.13 CALLED AC.
LOT 3 - 40.13 CALLED AC.
LOT 4 - 40.12 CALLED AC.

17 OPERATOR 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.

Eric Brorman 7/14/21
Signature Date

Eric Brorman
Printed Name

eric_brorman@eogresources.com
E-mail Address

18 SURVEYOR 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.

06/17/2021

Date of Survey
Signature and Seal of Professional Surveyor

RAMON A. DOMINGUEZ
NEW MEXICO
24508
PROFESSIONAL SURVEYOR

Certificate Number

District I

1625 N. French Dr., Hobbs, NM 88240
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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 46314

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 46314
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	9/30/2021