

Well Name: AUDACIOUS 19 FED	Well Location: T25S / R33E / SEC 19 / LOT 3 /	County or Parish/State:
Well Number: 502H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM110838	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548984	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: 07/14/2021

Time Sundry Submitted: 02:21

Date proposed operation will begin: 08/04/2021

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

- Wellhead_3_string_13.375_x_9.625_x_6_in___EOG_Cameron_3_String_13in_10M_MNDS_20210714142130.pdf
- EOG_BLM_Variance_1c___10M_Annular_Variance___3_String_Large_surface_hole_20210714142129.pdf
- 10_M_Choke_Manifold_20210714142128.pdf
- Audacious_19_Fed_502H_Sundry_Info___Rev_csg_6.29.2021_20210714142127.pdf
- Co_Flex_Hose_Test_Chart_20210714142127.pdf
- Co_Flex_Hose_Certification_20210714142127.pdf
- 10_M_BOP_Diagram_4_String_20210714142127.pdf
- 6_inch_24.50ppf_P110_ICY_TXP_20210714142127.PDF

County or Parish/State:

Allottee or Tribe Name:

Unit or CA Number:

Operator: EOG RESOURCES
INCORPORATED

Additional Reviews

192533_Audacious_19_Federal_Com_501H_Lea_Sundry_EOG_13_22_08052021_NMK_20210823141533.pdf

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.

Signed on: JUL 14, 2021 02:21 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

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM POC Name: CHRISTOPHER WALLS

BLM POC Phone: 5752342234

Disposition: Approved

Signature: Chris Walls

BLM POC Title: Petroleum Engineer

BLM POC Email Address: cwalls@blm.gov

Disposition Date: 08/23/2021

**Audacious 19 Fed 502H****Revised Permit Information 06/29/2021:**

Well Name: Audacious 19 Fed 502H

Location: SHL: 2246' FSL & 972' FWL, Section 19, T-25-S, R-33-E, Lea Co., N.M.

BHL: 100' FSL & 790' 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' - 10,955'	6"	24#	P-110 HP	Eagle	1.125	1.25	1.6
8.5"	10,955' - 18,249'	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')
18,249' 6"	500	11.0	3.21	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 4,584')
	1700	14.4	1.2	Tail: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,205')

**Audacious 19 Fed 502H**

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' – 18,249'	Oil Base	8.8-9.5	58-68	N/c - 6



Audacious 19 Fed 502H

2246' FSL

Revised Wellbore

KB: 3488'

972' FWL

GL: 3463'

Section 19

T-25-S, R-33-E

API: 30-025-48984

Bit Size: 16"
13-3/8", 54.5#, J-55, STC, 0' - 1,060'

Bit Size: 12-1/4"
9-5/8" 40#, J-55, LTC, 0' - 4,000'
9-5/8" 40#, HCK-55, LTC, 4,000' - 5,080'

TOC: 4,584'

Bit Size: 8-3/4"
6", 24#, P-110 HP, Eagle @ 0' - 10,955'
6", 24.5#, ICYP-110, TXP @ 10,955' - 18,249'

KOP: 10,205'

Lateral: 18,249' MD, 12,550' TVD
Upper Most Perf:
2542' FSL & 790' FWL Sec. 19
Lower Most Perf:
100' FSL & 790' FWL Sec. 30
BH Location: 100' FSL & 790' FWL
Sec. 30
T-25-S R-33-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

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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 43968

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 43968
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	8/27/2021