

Well Name: AUDACIOUS 19 FED	Well Location: T25S / R33E / SEC 19 / LOT 3 /	County or Parish/State:
Well Number: 501H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM110838	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548983	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: 02:17

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_20210714141545.pdf
- 10_M_Choke_Manifold_20210714141543.pdf
- 6_inch_24.50ppf_P110_ICY_TXP_20210714141542.PDF
- Co_Flex_Hose_Certification_20210714141542.pdf
- 10_M_BOP_Diagram_4_String_20210714141542.pdf
- EOG_BLM_Variance_1c___10M_Annular_Variance___3_String_Large_surface_hole_20210714141542.pdf
- Co_Flex_Hose_Test_Chart_20210714141542.pdf
- Audacious_19_Fed_501H_Sundry_Info___Rev_csg_6.29.2021_20210714141522.pdf

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Conditions of Approval

Additional Reviews

192533__Audacious_19_Federal_Com_501H_Lea_Sundry_EOG_13_22_08052021_NMK_20210823091244.pdf
Audacious_19_Federal_Com_501H_DrillingSundryCOA_20210823091237.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 14, 2021 02:16 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: 08/30/2021
Signature: Chris Walls	

**Audacious 19 Fed 501H****Revised Permit Information 06/29/2021:**

Well Name: Audacious 19 Fed 501H

Location: SHL: 2246' FSL & 939' FWL, Section 19, T-25-S, R-33-E, Lea Co., N.M.

BHL: 100' FSL & 330' 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' - 11,179'	6"	24#	P-110 HP	Eagle	1.125	1.25	1.6
8.5"	11,179' - 18,473'	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')
18,473' 6"	520	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 @ 10,429')

**Audacious 19 Fed 501H**

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' – 18,473'	Oil Base	8.8-9.5	58-68	N/c - 6



Audacious 19 Fed 501H

2246' FSL

Revised Wellbore

KB: 3488'

939' FWL

GL: 3463'

Section 19

T-25-S, R-33-E

API: 30-025-48983

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' - 11,179'
6", 24.5#, ICYP-110, TXP @ 11,179' - 18,473'

KOP: 10,429'

Lateral: 18,473' MD, 12,550' TVD
Upper Most Perf:
2542' FSL & 330' FWL Sec. 19
Lower Most Perf:
100' FSL & 330' FWL Sec. 30
BH Location: 100' FSL & 330' 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

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 41802

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 41802
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	10/8/2021