

Well Name: ANTIETAM 9 FED COM	Well Location: T25S / R33E / SEC 9 / NWNW / 32.1502444 / -103.5824047	County or Parish/State: LEA / NM
Well Number: 752H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM118726	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254735400X1	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: 04/26/2021	Time Sundry Submitted: 12:11
Date proposed operation will begin: 04/18/2021	

Procedure Description: EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes: Change well number from 101H to 752H Add a plug-back pilot hole Update casing program to current design with 8-3/4 inch intermediate Change BHL to T-25-S R-32-E Sec 16 2540 feet FNL 330 feet FWL Lea Co, NM

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- ANTIETAM_9_FED_COM_752H_C102_20210415142228.pdf
- Wellhead_3_string_10.75x8.75x5.5_SDT_3141_20210415142146.pdf
- Antietam_9_Fed_Com_752H_Wall_Plot_20210415142146.pdf
- 8.75in_38.5lbf_P110EC_SPRINT_SF___IR778_ENG_CDS43_rev0_20210415142145.pdf
- 5.500in_20.00_VST_P110EC_VAM_SFC_20210415142145.pdf
- 10.75_40.5_lb_ft_J55_STC_20210415142145.pdf
- Antietam_9_Fed_Com_752H_Permit_Info___Rev_Name__tgt__BHL__csg__pilot_4.14.2021_20210415142145.pdf
- Antietam_9_Fed_Com_752H_Planning_Report_20210415142145.pdf
- 5.500in_20.00_VST_P110EC_DWC_C_IS_MS_Spec_Sheet_20210415142145.pdf

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Conditions of Approval

Specialist Review

ANTIETAM_9_FED_COM_752H_APD_Change_Sundry_Drilling_COA_20210426193051.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: STAR HARRELL	Signed on: APR 26, 2021 12:11 PM
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	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: JEROMY PORTER	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345997	BLM POC Email Address: jjporter@blm.gov
Disposition: Approved	Disposition Date: 04/26/2021
Signature: Jeromy Porter	

District I
1625 N. French Dr., Hobbs, NM 88240
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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 30-025-47354	² Pool Code 98180	³ Pool Name WC-025 G-09 S253309P; Upper Wolfcamp
⁴ Property Code 317131	⁵ Property Name ANTIETAM 9 FED COM	
⁶ Well Number 752H		
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	
	⁹ Elevation 3428'	

¹⁰Surface Location

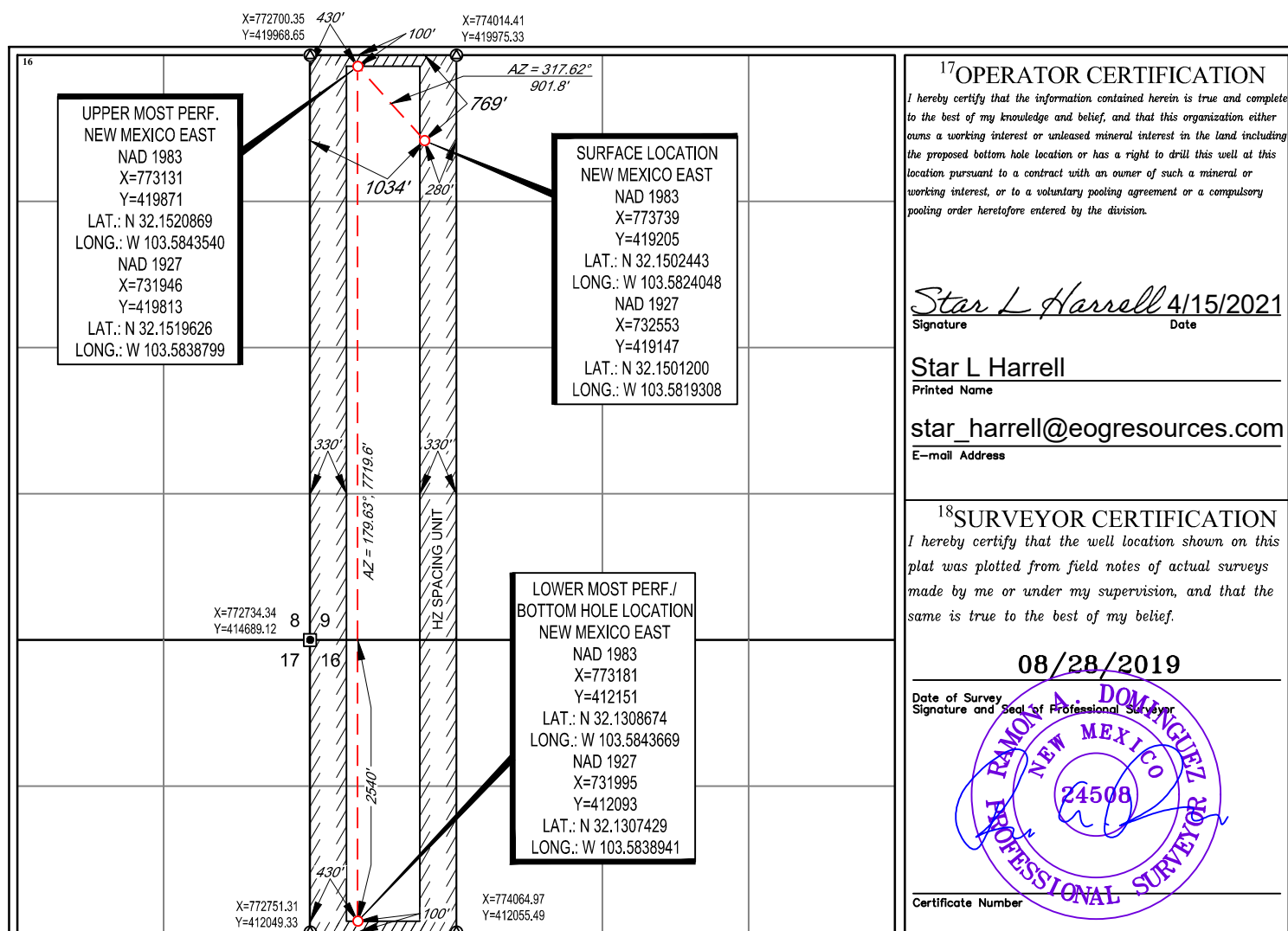
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	25-S	33-E	—	769'	NORTH	1034'	WEST	LEA

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
E	16	25-S	33-E	-	2540'	NORTH	430'	WEST	LEA

¹² Dedicated Acres 240.00	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.



Revised Permit Information 4/14/2021:

Well Name: Antietam 9 Fed Com #752H

Location:

SHL: 769' FNL & 1034' FWL, Section 9, T-25-S, R-33-E, Lea Co., N.M.

BHL: 2540' FNL & 430' FWL, Section 16, T-25-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
14.75"	0' – 1,200'	10.75"	40.5#	J-55	STC	1.125	1.25	1.60
9.875"	0' – 11,260'	8.75"	38.5#	P-110EC	VAM Sprint-SF	1.125	1.25	1.60
6.75"	0' – 10,760'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60
6.75"	10,760' – 11,260'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.60
6.75"	10,760' – 20,516'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60

Variance is requested to wave the centralizer requirements for the 8-3/4" casing in the 9-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 9-7/8" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to wave any centralizer requirements for the 5.5" casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /sk	Slurry Description
1,200' 10-3/4"	330	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	80	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 1,000')
11,260' 8-3/4"	460	14.2	1.11	1 st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 7,360')
	1,250	12.7	2.30	2 nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
14,300' Pilot Hole	350	14.8	1.33	Plug 1: Class H + 5% Salt + 3% Microbond (TOC @ 12,730')
12,730' Pilot Hole	350	14.8	1.33	Plug 2: Class H + 5% Salt + 3% Microbond (TOC @ 11,160')
20,516' 5.5"	840	14.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 10,760')

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

EOG requests variance from minimum standards to pump a two stage cement job on the 8-3/4'' intermediate casing string with the first stage being pumped conventionally with the calculated TOC at the Brushy Canyon and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of 1,000 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top of cement will be verified by Echo-meter.

EOG will include the final fluid top verified by Echo-meter and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,200'	Fresh - Gel	8.6-8.8	28-34	N/c
1,200' – 11,260'	Brine	10.0-10.2	28-34	N/c
10,760' – 20,516' Production Lateral	Oil Base	10.0-14.0	58-68	3 - 6
11,160' – 14,300' Pilot Hole	Oil Base	10.0-14.0	58-68	3 - 6

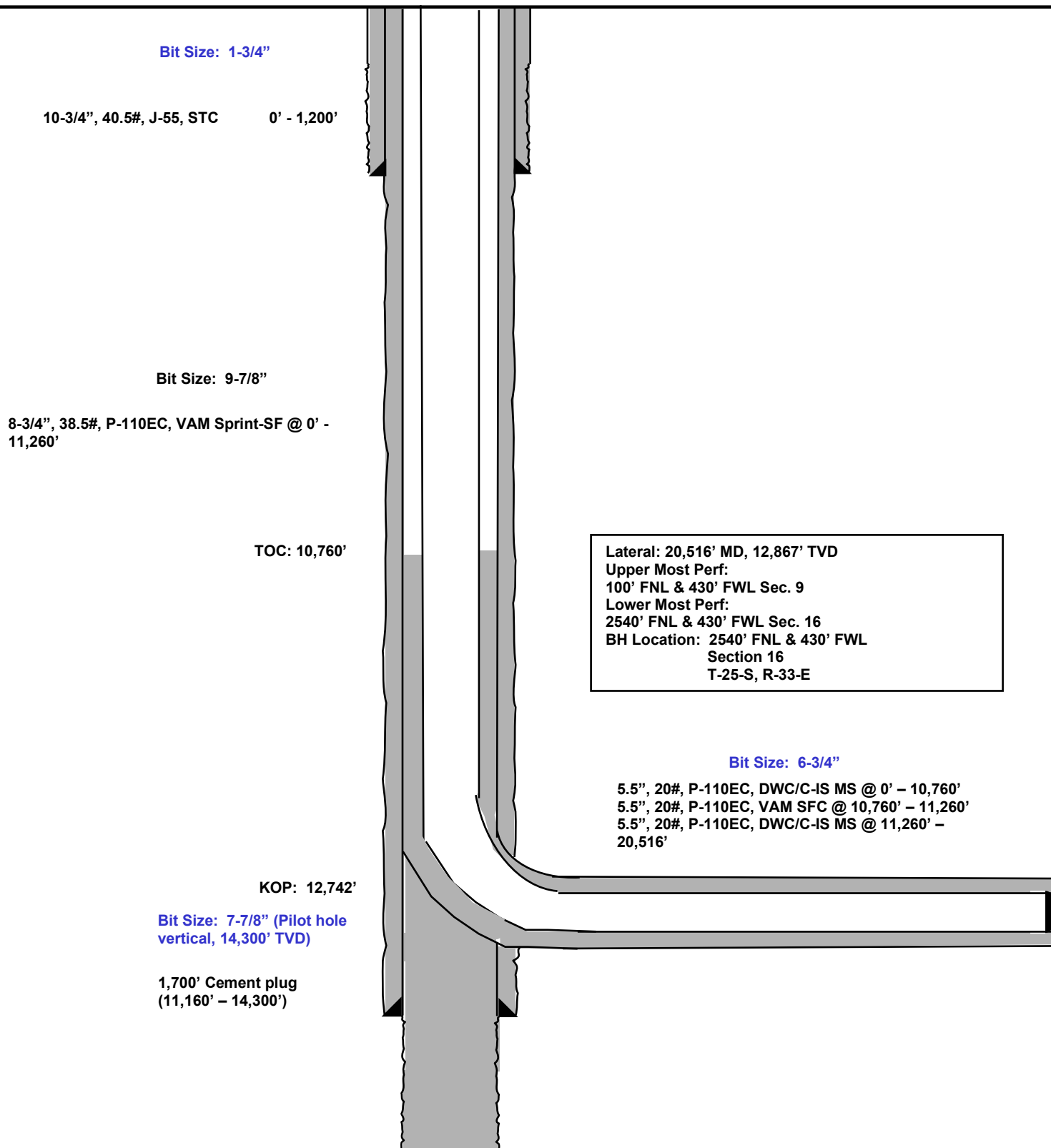
Variance is requested to use a 5,000 psi annular BOP with the 10,000 psi BOP stack.

769' FNL
1034' FWL
Section 9
T-25-S, R-33-E

Revised Wellbore

KB: 3,453'
GL: 3,428'

API: 30-025-47354



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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

COMMENTS

Action 20500

COMMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 20500
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Accepted for Record	6/25/2021

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CONDITIONS

Action 20500

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Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 20500
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	6/25/2021