

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural
Resources

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

Oil Conservation Division
1220 South St. Francis Dr.

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE MINERAL AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EOG RESOURCES INC PO BOX 2267 MIDLAND, TEXAS 79702		² OGRID Number 7377	
		³ Reason for Filing Code/ Effective Date NW 02/07/2021	
⁴ API Number 30 - 025-47375	⁵ Pool Name DRAPER MILL; BONE SPRING		⁶ Pool Code 96392
⁷ Property Code 317131	⁸ Property Name ANTIETAM 9 FEDERAL COM		⁹ Well Number 506H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
B	9	25S	33E		150	NORTH	1479	EAST	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	16	25S	33E		2531	NORTH	1625	EAST	LEA
¹² Lse Code	¹³ Producing Method Code FLOWING	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
372812	EOGRM	OIL
151618	ENTERPRISE FIELD SERVICES	GAS
298751	REGENCY FIELD SERVICES	GAS
36785	DCP MIDSTREAM	GAS

IV. Well Completion Data

²¹ Spud Date 07/26/2020	²² Ready Date 02/07/2021	²³ TD 18,296'	²⁴ PBTD 18,261'	²⁵ Perforations 10,986 - 18,261'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	1245'	1070 SXS CL C/CIRC		
12 1/4"	9 5/8"	4890'	1355 SXS CL C/CIRC		
7 7/8"	5 1/2"	18,271'	2270 SXS CL H TOC 7700' CBL		

V. Well Test Data

³¹ Date New Oil 02/07/2021	³² Gas Delivery Date 02/07/2021	³³ Test Date 02/19/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 613
³⁷ Choke Size 78	³⁸ Oil 2038	³⁹ Water 6696	⁴⁰ Gas 2768		⁴¹ Test Method
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Kay Maddox			OIL CONSERVATION DIVISION Approved by: PATRICIA MARTINEZ Title: PETROLEUM SPECIALIST Approval Date: 6/24/2021		
Printed name: Kay Maddox					
Title: SENIOR REGULATORY SPECIALIST					
E-mail Address: kay_maddox@eogresources.com					
Date: 03/09/2021		Phone: 432-638-8475			

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 30-025-47375	² Pool Code 96392	³ Pool Name DRAPER MILL; BONE SPRING
⁴ Property Code 317131	⁵ Property Name ANTIETAM 9 FED COM	⁶ Well Number #506H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3427'

¹⁰Surface Location

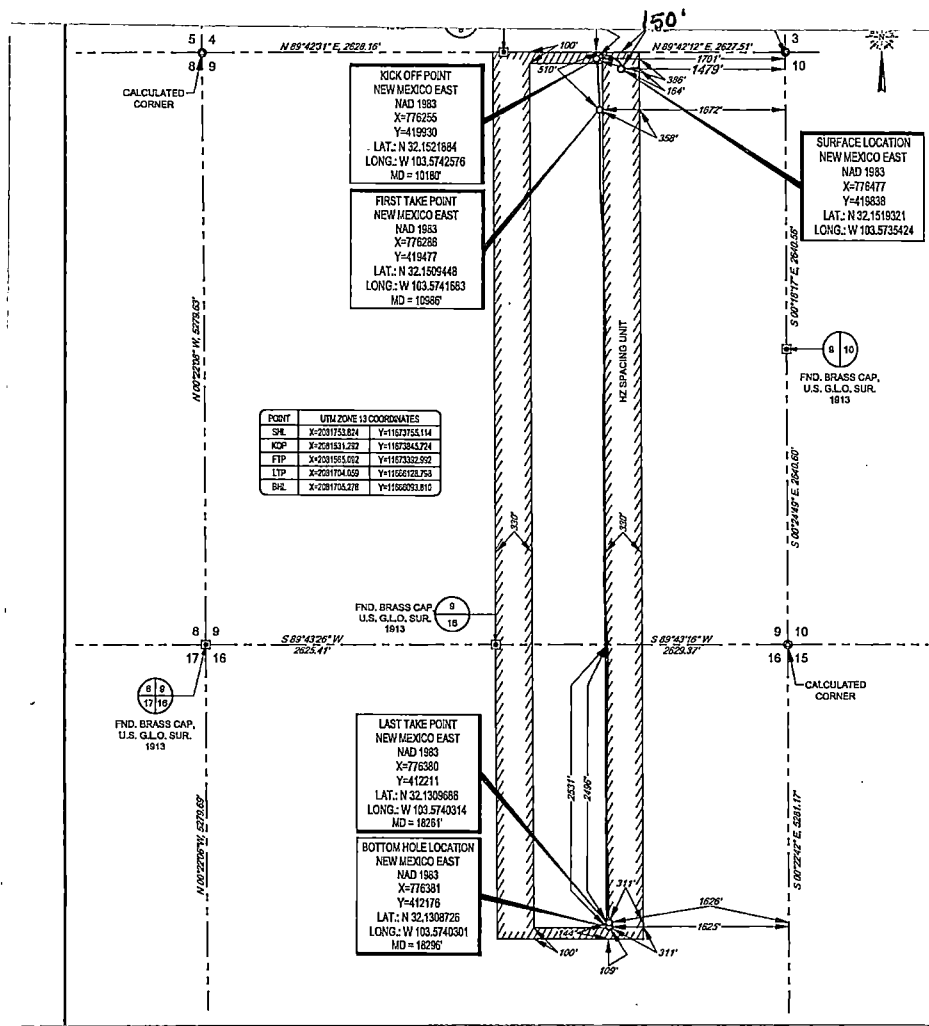
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	9	25-S	33-E	-	150'	NORTH	1479'	EAST	LEA

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
G	16	25-S	33-E	-	2531'	NORTH	1625'	EAST	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.

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.

Kay Maddox 03/05/2021
Signature Date

KAY MADDOX

Printed Name

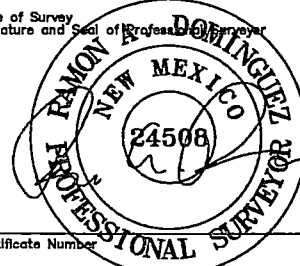
kay_maddox@eogresources.com
E-mail Address

¹⁸SURVEYOR CERTIFICATION

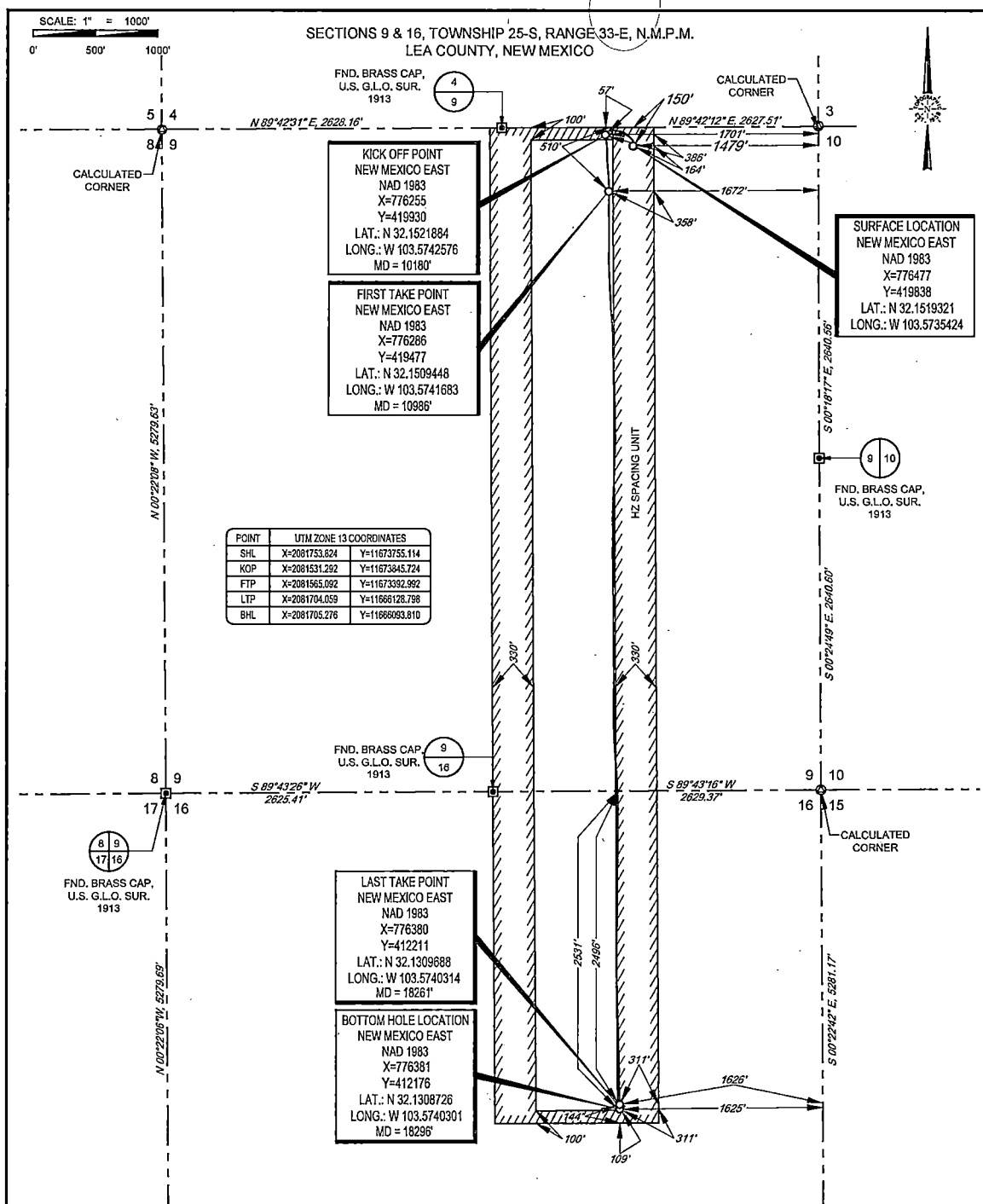
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

08/28/2019

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number



LEASE NAME & WELL NO.: ANTIETAM 9 FED COM #506H

SECTION 9 TWP 25-S RGE 33-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3427'

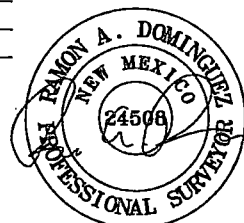
DESCRIPTION 150' FNL & 1479' FEL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7312 • FAX: (817) 744-7354
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX: (432) 682-1743
WWW.TOPOGRAPHIC.COM

eg resources, Inc.



Ramon A. Dominguez, P.S. No. 24508
DECEMBER 30, 2020

ANTIETAM 9 FED COM #506H AS-COMplete	REVISION:
DATE: 12/30/2020	
FILE: AD_ANTIETAM_9_FED_COM_506H	
DRAWN BY: A.V.F.	
SHEET: 1 OF 1	

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

S:\SURVEY\EOG_MIDLAND\ANTIETAM_9_FED\FINAL_PRODUCTS\AD_ANTIETAM_9_FED_COM_506H.DWG 12/31/2020 8:23:38 AM ad:isabella



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Antietam 9 Fed Com

#506H

OH

Design: OH

Midland PVA

21 September, 2020



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3449.0usft
Site:	Antietam 9 Fed Com	MD Reference:	KB = 22' @ 3449.0usft
Well:	#506H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Antietam 9 Fed Com		
Site Position:		Northing:	419,815.00 usft
From:	Map	Easting:	774,698.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.1519034°N
		Longitude:	103.5792922°W
		Grid Convergence:	0.40 °

Well		#506H				
Well Position	+N/-S	0.0 usft	Northing:	419,838.00 usft	Latitude:	32.1519322°N
	+E/-W	0.0 usft	Easting:	776,477.00 usft	Longitude:	103.5735438°W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level:	3,427.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	9/10/2020	6.63	59.86	47,530.25771191

Design		OH			
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)		+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0		0.0	0.0	180.90

Survey Program		Date 9/21/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
200.0	18,296.0	Driltech (OH)	EOG MWD+IFR1	MWD + IFR1



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Midland PVA

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Site:	Antietam 9 Fed Com	MD Reference:	KB = 22' @ 3449.0usft
Well:	#506H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	
200.0	1.06	76.48	200.0	0.4	1.8	0.53	0.53	0.00	0.0	0.0	
385.0	0.97	77.71	385.0	1.2	5.0	0.05	-0.05	0.66	0.0	0.0	
566.0	0.53	52.39	565.9	2.0	7.2	0.30	-0.24	-13.99	0.0	0.0	
687.0	0.44	52.92	686.9	2.6	8.0	0.07	-0.07	0.44	0.0	0.0	
879.0	0.70	313.96	878.9	3.9	7.7	0.46	0.14	-51.54	0.0	0.0	
1,068.0	0.53	359.22	1,067.9	5.6	6.9	0.26	-0.09	23.95	0.0	0.0	
1,197.0	1.06	5.11	1,196.9	7.3	7.0	0.42	0.41	4.57	0.0	0.0	
1,354.0	1.49	34.46	1,353.9	10.5	8.3	0.49	0.27	18.69	-0.8	-0.7	
1,542.0	4.31	357.46	1,541.6	19.5	9.3	1.73	1.50	-19.68	-5.2	-5.5	
1,730.0	5.80	324.41	1,728.9	34.3	3.5	1.71	0.79	-17.58	-6.2	-17.8	
1,919.0	5.98	325.82	1,916.9	50.2	-7.6	0.12	0.10	0.75	-15.3	-24.4	
2,108.0	6.07	316.77	2,104.9	65.7	-20.0	0.50	0.05	-4.79	-19.3	-33.3	
2,202.0	6.77	305.78	2,198.3	72.5	-27.9	1.50	0.74	-11.69	-16.9	-38.8	
2,391.0	6.51	302.53	2,386.0	84.8	-46.0	0.24	-0.14	-1.72	-23.9	-42.5	
2,580.0	6.24	304.11	2,573.9	96.3	-63.5	0.17	-0.14	0.84	-33.6	-44.1	
2,767.0	5.98	307.10	2,759.8	107.9	-79.7	0.22	-0.14	1.60	-43.5	-45.0	
2,862.0	5.89	284.07	2,854.3	112.1	-88.4	2.49	-0.09	-24.24	-25.6	-59.3	
3,050.0	5.36	279.06	3,041.4	115.8	-106.4	0.38	-0.28	-2.66	-26.4	-59.2	
3,238.0	4.75	279.24	3,228.7	118.4	-122.7	0.32	-0.32	0.10	-30.8	-56.2	
3,427.0	4.04	284.07	3,417.1	121.3	-136.9	0.42	-0.38	2.56	-37.2	-50.8	
3,615.0	3.96	289.96	3,604.7	125.1	-149.4	0.22	-0.04	3.13	-42.5	-45.5	
3,803.0	3.34	289.34	3,792.3	129.2	-160.7	0.33	-0.33	-0.33	-41.3	-45.3	
3,991.0	2.64	267.20	3,980.0	130.8	-170.2	0.71	-0.37	-11.78	-19.1	-54.1	
4,179.0	1.76	270.45	4,167.9	130.6	-177.4	0.47	-0.47	1.73	-17.5	-47.9	
4,366.0	0.79	222.02	4,354.8	129.6	-181.2	0.73	-0.52	-25.90	25.3	-35.1	
4,554.0	0.97	134.13	4,542.8	127.6	-180.9	0.65	0.10	-46.75	22.5	27.4	



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3449.0usft
Site:	Antietam 9 Fed Com	MD Reference:	KB = 22' @ 3449.0usft
Well:	#506H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,743.0	2.37	133.78	4,731.7	123.8	-176.9	0.74	0.74	-0.19	5.1	32.1
4,833.0	3.43	133.43	4,821.6	120.6	-173.6	1.18	1.18	-0.39	-3.3	33.5
5,017.0	3.78	134.04	5,005.3	112.6	-165.3	0.19	0.19	0.33	-15.5	34.0
5,205.0	1.85	233.97	5,193.1	106.5	-163.3	2.39	-1.03	53.15	34.1	15.5
5,394.0	1.67	233.45	5,382.0	103.1	-167.9	0.10	-0.10	-0.28	28.2	15.8
5,582.0	1.67	231.51	5,569.9	99.7	-172.3	0.03	0.00	-1.03	22.2	16.7
5,770.0	1.76	231.42	5,757.8	96.2	-176.7	0.05	0.05	-0.05	16.5	16.7
5,958.0	1.32	228.17	5,945.8	93.0	-180.5	0.24	-0.23	-1.73	10.5	17.4
6,147.0	1.41	230.02	6,134.7	90.1	-184.0	0.05	0.05	0.98	6.5	17.2
6,334.0	1.49	229.58	6,321.7	87.0	-187.6	0.04	0.04	-0.24	1.7	17.2
6,523.0	1.41	222.55	6,510.6	83.7	-191.0	0.10	-0.04	-3.72	-5.2	17.0
6,711.0	1.49	231.07	6,698.5	80.5	-194.5	0.12	0.04	4.53	-7.4	17.9
6,900.0	1.14	312.63	6,887.5	80.2	-197.8	0.92	-0.19	43.15	14.4	12.3
6,994.0	2.02	354.21	6,981.5	82.5	-198.6	1.48	0.94	44.23	16.6	0.3
7,183.0	1.41	350.08	7,170.4	88.1	-199.4	0.33	-0.32	-2.19	10.9	1.3
7,254.8	1.31	358.38	7,242.2	89.8	-199.5	0.30	-0.13	11.55	9.2	-0.2
Brushy Top (Antietam 9 Fed Com #506H)										
7,371.0	1.23	13.89	7,358.3	92.3	-199.3	0.30	-0.07	13.36	6.3	-2.3
7,560.0	0.97	23.21	7,547.3	95.7	-198.2	0.17	-0.14	4.93	2.3	-3.0
7,748.0	0.53	27.87	7,735.3	98.0	-197.1	0.24	-0.23	2.48	-0.4	-3.0
7,937.0	0.70	359.83	7,924.3	99.9	-196.7	0.18	0.09	-14.84	-0.9	-3.3
8,125.0	0.53	58.63	8,112.3	101.5	-196.0	0.33	-0.09	31.28	-4.7	0.0
8,314.0	0.35	82.10	8,301.3	102.0	-194.7	0.13	-0.10	12.42	-5.7	2.3
8,501.0	0.62	154.34	8,488.3	101.2	-193.7	0.33	0.14	38.63	-0.8	6.7
8,689.0	0.97	200.31	8,676.2	98.8	-193.8	0.37	0.19	24.45	2.0	5.9
8,876.0	1.41	200.57	8,863.2	95.2	-195.1	0.24	0.24	0.14	-1.9	5.9
9,064.0	1.58	203.83	9,051.1	90.6	-197.0	0.10	0.09	1.73	-6.4	6.1



EOG Resources

Midland PVA

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Site:	Antietam 9 Fed Com	MD Reference:	KB = 22' @ 3449.0usft
Well:	#506H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
9,252.0	0.88	242.85	9,239.1	87.6	-199.3	0.56	-0.37	20.76	-4.6	10.5
9,440.0	1.06	265.70	9,427.1	86.8	-202.3	0.22	0.10	12.15	-3.2	12.0
9,627.0	2.64	305.34	9,614.0	89.2	-207.6	1.04	0.84	21.20	-0.5	12.4
9,814.0	1.93	300.07	9,800.8	93.2	-213.8	0.40	-0.38	-2.82	-9.1	11.9
10,003.0	1.76	282.40	9,989.7	95.5	-219.4	0.31	-0.09	-9.35	-18.2	7.6
10,180.0	2.82	179.29	10,166.6	91.7	-222.0	2.06	0.60	-58.25	-7.0	-22.1
KOP, MD:10180.0', TVD:10166.6', N/S:91.7', E/W:-222.0', INC:2.82										
10,199.0	3.17	175.96	10,185.6	90.7	-222.0	2.06	1.85	-17.53	-6.7	-22.5
10,294.0	15.83	172.97	10,279.1	75.1	-220.2	13.33	13.33	-3.15	-19.2	-23.0
10,377.5	21.61	167.81	10,358.2	48.8	-215.5	7.19	6.92	-6.18	-31.6	-23.5
FTP Crossing, MD:10377.5', TVD:10358.2', N/S:48.8', E/W:-215.5', INC:21.61										
10,388.0	22.34	167.34	10,367.9	45.0	-214.7	7.19	6.99	-4.44	-33.0	-23.3
10,483.0	26.56	172.79	10,454.4	6.2	-208.1	5.03	4.44	5.74	-43.3	-16.0
10,577.0	29.55	182.37	10,537.4	-37.8	-206.4	5.74	3.18	10.19	-42.5	-10.7
10,671.0	42.56	177.54	10,613.2	-93.0	-206.0	14.16	13.84	-5.14	-35.5	-16.4
10,691.3	44.50	176.97	10,627.9	-106.9	-205.3	9.79	9.60	-2.82	-34.5	-16.8
FTP (Antietam 9 Fed Com #506H)										
10,766.0	51.70	175.16	10,677.8	-162.4	-201.4	9.79	9.63	-2.42	-30.5	-16.6
10,860.0	63.49	176.04	10,728.1	-241.3	-195.4	12.57	12.54	0.94	-27.1	-14.6
10,954.0	73.16	178.42	10,762.8	-328.5	-191.3	10.55	10.29	2.53	-25.1	-15.0
11,049.0	78.61	181.23	10,785.9	-420.6	-191.0	6.41	5.74	2.96	-19.1	-19.9
11,142.0	86.61	178.86	10,797.9	-512.7	-191.1	8.97	8.60	-2.55	-10.9	-24.5
11,235.0	87.76	179.21	10,802.4	-605.6	-189.5	1.29	1.24	0.38	-8.9	-24.0
11,329.0	88.29	180.26	10,805.7	-699.5	-189.1	1.25	0.56	1.12	-8.3	-24.1
11,423.0	86.97	180.09	10,809.6	-793.5	-189.3	1.42	-1.40	-0.18	-7.1	-25.0
11,472.1	86.42	180.77	10,812.4	-842.5	-189.7	1.77	-1.12	1.38	-5.6	-25.6
TGT#1(Antietam 9 Fed Com #506H)										



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3449.0usft
Site:	Antietam 9 Fed Com	MD Reference:	KB = 22' @ 3449.0usft
Well:	#506H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
11,518.0	85.91	181.40	10,815.5	-888.3	-190.6	1.77	-1.12	1.38	-3.5	-26.8
11,612.0	87.14	177.27	10,821.2	-982.1	-189.5	4.58	1.31	-4.39	1.7	-26.3
11,706.0	88.99	177.71	10,824.3	-1,075.9	-185.4	2.02	1.97	0.47	4.2	-22.8
11,800.0	88.99	177.01	10,826.0	-1,169.8	-181.0	0.74	0.00	-0.74	5.3	-19.0
11,894.0	90.31	175.78	10,826.6	-1,263.6	-175.1	1.92	1.40	-1.31	5.3	-13.7
11,987.0	89.25	174.81	10,826.9	-1,356.3	-167.5	1.54	-1.14	-1.04	5.1	-6.7
12,082.0	90.75	176.75	10,826.9	-1,451.0	-160.5	2.58	1.58	2.04	4.4	-0.3
12,176.0	91.01	179.03	10,825.5	-1,544.9	-157.0	2.44	0.28	2.43	2.4	2.6
12,270.0	90.92	178.77	10,823.9	-1,638.9	-155.2	0.29	-0.10	-0.28	0.2	3.8
12,364.0	90.22	177.98	10,823.0	-1,732.9	-152.6	1.12	-0.74	-0.84	-1.3	5.9
12,458.0	88.37	177.36	10,824.1	-1,826.8	-148.8	2.08	-1.97	-0.66	-0.7	9.1
12,552.0	91.01	177.80	10,824.6	-1,920.7	-144.8	2.85	2.81	0.47	-0.8	12.5
12,646.0	90.57	178.86	10,823.3	-2,014.6	-142.1	1.22	-0.47	1.13	-2.7	14.6
12,740.0	89.96	178.77	10,822.9	-2,108.6	-140.1	0.66	-0.65	-0.10	-3.7	16.0
12,835.0	88.20	178.86	10,824.4	-2,203.6	-138.1	1.86	-1.85	0.09	-2.8	17.3
12,929.0	93.21	179.82	10,823.3	-2,297.5	-137.1	5.43	5.33	1.02	-4.5	17.8
12,961.3	92.64	180.61	10,821.6	-2,329.8	-137.2	3.01	-1.78	2.44	-6.4	17.5
TGT#2(Antietam 9 Fed Com #506H)										
13,023.0	91.54	182.11	10,819.4	-2,391.4	-138.6	3.01	-1.78	2.44	-9.1	15.6
13,117.0	89.96	182.46	10,818.1	-2,485.3	-142.4	1.72	-1.68	0.37	-11.0	11.3
13,212.0	89.96	181.32	10,818.2	-2,580.3	-145.5	1.20	0.00	-1.20	-11.6	7.6
13,305.0	89.78	181.67	10,818.4	-2,673.3	-147.9	0.42	-0.19	0.38	-12.1	4.5
13,400.0	89.52	181.76	10,819.0	-2,768.2	-150.8	0.29	-0.27	0.09	-12.2	1.1
13,494.0	88.99	181.58	10,820.2	-2,862.2	-153.5	0.60	-0.56	-0.19	-11.7	-2.2
13,589.0	88.20	180.88	10,822.6	-2,957.1	-155.6	1.11	-0.83	-0.74	-10.0	-4.9
13,682.0	86.53	180.09	10,826.8	-3,050.0	-156.4	1.99	-1.80	-0.85	-6.4	-6.2
13,777.0	92.42	179.21	10,827.7	-3,145.0	-155.8	6.27	6.20	-0.93	-6.2	-6.3



EOG Resources

Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Antietam 9 Fed Com
Well: #506H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #506H
TVD Reference: KB = 22' @ 3449.0usft
MD Reference: KB = 22' @ 3449.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
13,871.0	92.59	180.17	10,823.6	-3,238.9	-155.3	1.04	0.18	1.02	-11.0	-6.3	
13,965.0	90.66	179.12	10,820.9	-3,332.8	-154.7	2.34	-2.05	-1.12	-14.4	-6.4	
14,060.0	89.78	179.38	10,820.6	-3,427.8	-153.4	0.97	-0.93	0.27	-15.4	-5.7	
14,153.0	88.02	178.59	10,822.3	-3,520.8	-151.8	2.07	-1.89	-0.85	-14.3	-4.7	
14,248.0	88.81	179.29	10,825.0	-3,615.7	-150.0	1.11	0.83	0.74	-12.4	-3.5	
14,342.0	91.54	179.47	10,824.7	-3,709.7	-149.0	2.91	2.90	0.19	-13.4	-3.1	
14,437.0	89.69	180.00	10,823.7	-3,804.7	-148.6	2.03	-1.95	0.56	-15.1	-3.2	
14,531.0	90.66	179.38	10,823.4	-3,898.7	-148.1	1.22	1.03	-0.66	-16.1	-3.3	
14,625.0	91.01	179.21	10,822.0	-3,992.7	-146.9	0.41	0.37	-0.18	-18.1	-2.8	
14,719.0	92.07	179.91	10,819.5	-4,086.6	-146.2	1.35	1.13	0.74	-21.3	-2.6	
14,814.0	91.54	178.94	10,816.5	-4,181.6	-145.2	1.16	-0.56	-1.02	-25.0	-2.3	
14,907.0	93.47	180.44	10,812.4	-4,274.5	-144.7	2.63	2.08	1.61	-29.7	-2.4	
15,001.0	90.66	181.49	10,809.0	-4,368.4	-146.3	3.19	-2.99	1.12	-33.8	-4.5	
15,021.1	90.15	181.32	10,808.9	-4,388.5	-146.8	2.66	-2.52	-0.84	-34.1	-5.1	
TGT#3(Antietam 9 Fed Com #506H)											
15,095.0	88.29	180.70	10,809.9	-4,462.4	-148.1	2.66	-2.52	-0.84	-33.2	-6.9	
15,190.0	86.44	179.12	10,814.3	-4,557.3	-148.0	2.56	-1.95	-1.66	-28.8	-7.4	
15,284.0	86.00	177.54	10,820.5	-4,651.0	-145.2	1.74	-0.47	-1.68	-22.6	-5.2	
15,378.0	88.02	176.39	10,825.4	-4,744.7	-140.3	2.47	2.15	-1.22	-17.7	-0.8	
15,500.0	89.69	176.13	10,827.8	-4,866.5	-132.3	1.39	1.37	-0.21	-15.3	6.3	
15,566.0	91.54	176.48	10,827.1	-4,932.3	-128.1	2.85	2.80	0.53	-16.0	10.2	
15,661.0	91.98	176.75	10,824.2	-5,027.1	-122.5	0.54	0.46	0.28	-18.9	15.2	
15,755.0	91.19	177.27	10,821.6	-5,120.9	-117.6	1.01	-0.84	0.55	-21.5	19.5	
15,849.0	89.96	178.42	10,820.6	-5,214.9	-114.0	1.79	-1.31	1.22	-22.4	22.4	
15,944.0	89.16	180.52	10,821.4	-5,309.9	-113.1	2.37	-0.84	2.21	-21.7	22.7	
16,038.0	90.84	180.52	10,821.4	-5,403.8	-114.0	1.79	1.79	0.00	-21.7	21.3	
16,132.0	91.63	180.35	10,819.3	-5,497.8	-114.7	0.86	0.84	-0.18	-23.7	20.0	



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3449.0usft
Site:	Antietam 9 Fed Com	MD Reference:	KB = 22' @ 3449.0usft
Well:	#506H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
16,226.0	92.24	180.88	10,816.2	-5,591.8	-115.7	0.86	0.65	0.56	-26.9	18.4
16,321.0	89.25	180.96	10,814.9	-5,686.7	-117.2	3.15	-3.15	0.08	-28.1	16.2
16,415.0	88.72	181.14	10,816.6	-5,780.7	-119.0	0.60	-0.56	0.19	-26.4	13.9
16,510.0	89.78	180.09	10,817.8	-5,875.7	-120.0	1.57	1.12	-1.11	-25.2	12.3
16,604.0	89.34	179.73	10,818.6	-5,969.7	-119.8	0.60	-0.47	-0.38	-24.5	11.9
16,698.0	89.16	180.00	10,819.8	-6,063.7	-119.6	0.35	-0.19	0.29	-23.2	11.5
16,792.0	90.22	180.52	10,820.3	-6,157.7	-120.0	1.26	1.13	0.55	-22.7	10.5
16,887.0	89.25	180.35	10,820.7	-6,252.7	-120.8	1.04	-1.02	-0.18	-22.3	9.1
16,981.0	88.37	180.52	10,822.7	-6,346.6	-121.5	0.95	-0.94	0.18	-20.3	7.8
17,075.0	87.93	179.91	10,825.7	-6,440.6	-121.8	0.80	-0.47	-0.65	-17.3	6.9
17,169.0	88.02	180.09	10,829.0	-6,534.5	-121.8	0.21	0.10	0.19	-14.0	6.3
17,264.0	87.14	179.91	10,833.1	-6,629.4	-121.8	0.95	-0.93	-0.19	-10.0	5.7
17,358.0	88.02	177.80	10,837.0	-6,723.3	-119.9	2.43	0.94	-2.24	-6.0	7.0
17,452.0	87.58	178.94	10,840.6	-6,817.2	-117.3	1.30	-0.47	1.21	-2.4	9.1
17,546.0	88.72	176.66	10,843.7	-6,911.1	-113.7	2.71	1.21	-2.43	0.6	12.1
17,640.0	89.60	178.68	10,845.1	-7,005.0	-109.8	2.34	0.94	2.15	2.0	15.3
17,735.0	88.99	178.68	10,846.2	-7,100.0	-107.7	0.64	-0.64	0.00	3.2	16.9
17,829.0	89.52	178.86	10,847.4	-7,193.9	-105.6	0.60	0.56	0.19	4.4	18.3
17,923.0	89.16	178.86	10,848.5	-7,287.9	-103.8	0.38	-0.38	0.00	5.5	19.6
18,017.0	91.19	179.03	10,848.2	-7,381.9	-102.0	2.17	2.16	0.18	5.2	20.7
18,111.0	90.48	178.94	10,846.9	-7,475.9	-100.4	0.76	-0.76	-0.10	3.9	21.8
Last MWD Survey (MD=18111.0')										
18,296.0	90.48	178.94	10,845.3	-7,660.8	-97.0	0.00	0.00	0.00	2.3	24.1
Projection to Bit (MD=18296.0') - PBHL (Antietam 9 Fed Com #506H)										



EOG Resources

Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3449.0usft
Site:	Antietam 9 Fed Com	MD Reference:	KB = 22' @ 3449.0usft
Well:	#506H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,180.0	10,166.6	91.7	-222.0	KOP, MD:10180.0', TVD:10166.6', N/S:91.7', E/W:-222.0', INC:2.82
10,377.5	10,358.2	48.8	-215.5	FTP Crossing, MD:10377.5', TVD:10358.2', N/S:48.8', E/W:-215.5', INC:21.61
18,111.0	10,846.9	-7,475.9	-100.4	Last MWD Survey (MD=18111.0')
18,296.0	10,845.3	-7,660.8	-97.0	Projection to Bit (MD=18296.0')

Checked By: _____ Approved By: _____ Date: _____

I certify this survey to be true and correct to the best of my belief and knowledge .

Kay Maddox 03/05/2021

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised August 1, 2011					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name ANTIETAM 9 FEDERAL COM		
								6. Well Number: 506H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator EOG RESOURCES INC							9. OGRID 7377			
10. Address of Operator PO BOX 2267 MIDLAND, TEXAS 79702							11. Pool name or Wildcat DRAPER MILL; BONE SPRING (96392)			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	B	9	25S	33E		150	NORTH	1479	EAST	LEA
BH:	G	16	25S	33E		2531	NORTH	1625	EAST	LEA
13. Date Spudded 07/26/2020	14. Date T.D. Reached 09/20/2020		15. Date Rig Released 09/22/2020			16. Date Completed (Ready to Produce) 02/07/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3427' GR		
18. Total Measured Depth of Well MD 18,296' TVD 10,845			19. Plug Back Measured Depth MD 18,261' TVD 10,845'			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run None		
22. Producing Interval(s), of this completion - Top, Bottom, Name BONE SPRING 10,986 - 18,261'										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13 3/8"		54.5# J-55		1,245'		17 1/2"		1070 CL C/CIRC		
9 5/8"		40# ECP 110		4,890'		12 1/4"		1355 CL C/CIRC		
5 1/2"		20# HCP 110		18,271'		7 7/8"		2270 CL H TOC 7700'		CBL
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
26. Perforation record (interval, size, and number) 10,986 - 18,261' 3 1/8", 1560 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10,986 - 18,261'		FRAC W/17,882,700 lbs proppant, 307,991 bbls load fld		
28. PRODUCTION										
Date First Production 02/07/2021		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 02/19/2021	Hours Tested 24	Choke Size 78	Prod'n For Test Period	Oil - Bbl 2038	Gas - MCF 2768	Water - Bbl. 6696	Gas - Oil Ratio 1358			
Flow Tubing Press.	Casing Pressure 613	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 48				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) SOLD								30. Test Witnessed By		
31. List Attachments C-102, C-104, C-103, Directional Survey, H spacing, Gas capture										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____ Longitude _____ NAD 1927 1983										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Printed Signature Kay Maddox Name Kay Maddox Title Senior Regulatory Specialist Date 03/09/2021 E-mail Address kay_maddox@eogresources.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy Rustler 1106'	T. Canyon Brushy 7242'	T. Ojo Alamo	T. Penn A"		
T. Salt 1388'	T. Strawn	T. Kirtland	T. Penn. "B"		
B. Salt 4695'	T. Atoka	T. Fruitland	T. Penn. "C"		
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"		
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville		
T. Queen	T. Silurian	T. Menefee	T. Madison		
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert		
T. San Andres	T. Simpson	T. Mancos	T. McCracken		
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte		
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite		
T. Blinebry	T. Gr. Wash	T. Dakota			
T. Tubb	T. Delaware Sand	T. Morrison			
T. Drinkard	T. Bone Springs	T. Todilto			
T. Abo	T. 1st BS Sand 10,112'	T. Entrada			
T. Wolfcamp	T. 2nd BS Sand 10,679'	T. Wingate			
T. Penn	T.	T. Chinle			
T. Cisco (Bough C)	T.	T. Permian			

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

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

ACKNOWLEDGMENTS

Action 20318

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 20318
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☐	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☐	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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

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CONDITIONS

Action 20318

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 20318
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 within 10 days to NMOCD after BLM approval.	6/24/2021