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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 30-025-46611	² Pool Code 97964	³ Pool Name WC025 G07 S243225C; LOWER BONE SPRING KZ
⁴ Property Code 325160	⁵ Property Name PYTHON 36 STATE	⁶ Well Number 508H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3524'

¹⁰Surface Location

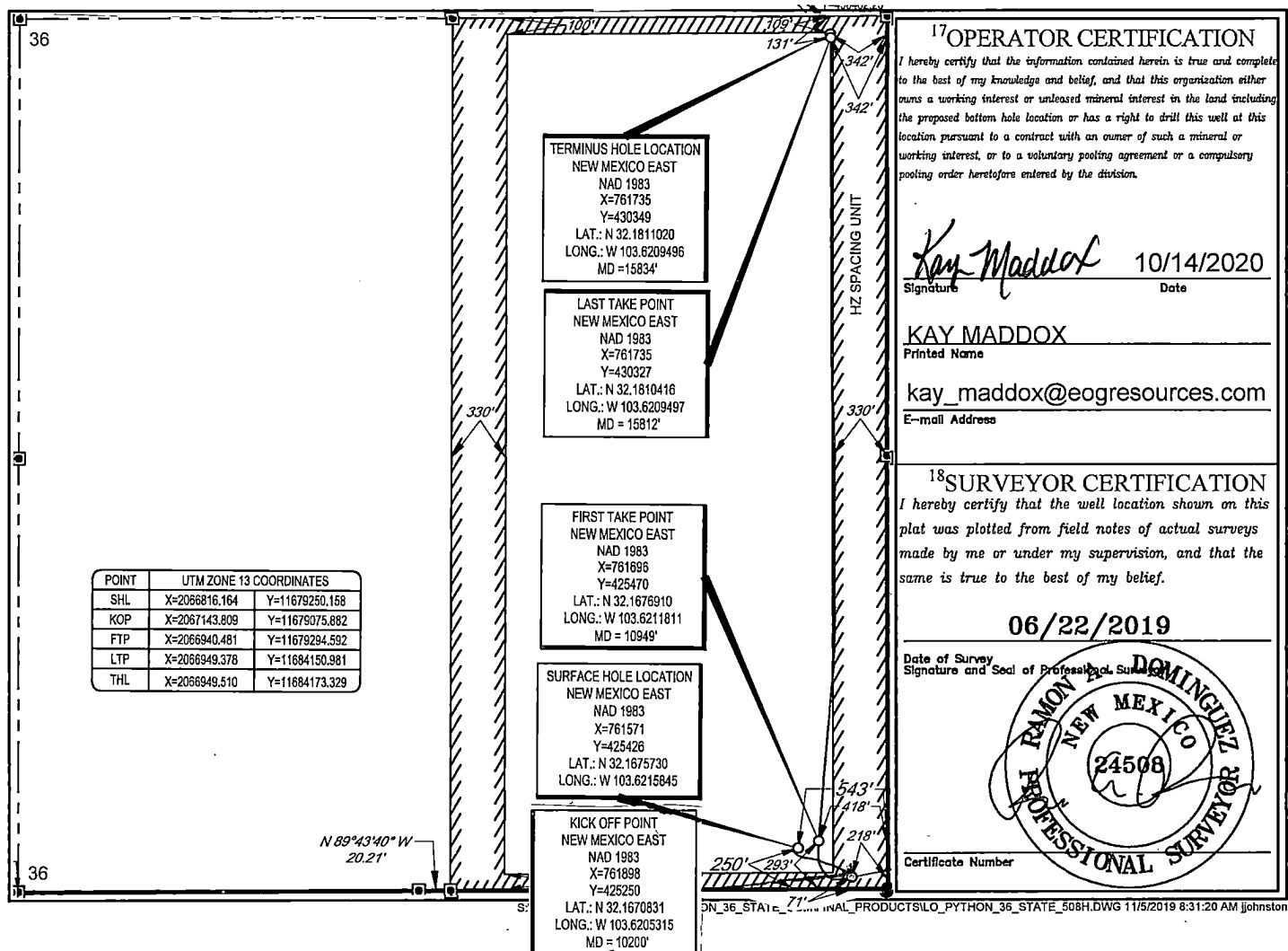
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	36	24-S	32-E	-	250'	SOUTH	543'	EAST	LEA

¹¹Bottom Hole Location If Different From Surface **SL**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	36	24-S	32-E	-	109'	NORTH	342'	EAST	LEA

¹² Dedicated Acres 320.00	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.



Intent ☐ As Drilled ☒ XXXAPI #
30-025-46611Operator Name:
EOG RESOURCES, INCProperty Name:
PYTHON 36 STATEWell Number
508H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	36	24S	32E		71	SOUTH	218	EAST	LEA
Latitude					Longitude				NAD
32.1670831					103.6205315				1983

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	36	24S	32E		293	SOUTH	418	EAST	LEA
Latitude					Longitude				NAD
32.1676910					103.6211811				1983

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	36	24S	32E		131	NORTH	342	EAST	LEA
Latitude					Longitude				NAD
32.1810416					103.6209497				1983

Is this well the defining well for the Horizontal Spacing Unit?

☐ NO

Is this well an infill well?

☐ YES

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

API #
30-025-46609Operator Name:
EOG RESOURCES, INCProperty Name:
PYTHON 36 STATEWell Number
506H

KZ 06/29/2018



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Python 36 State

#508H

OH

Design: OH

Midland PVA

02 February, 2020



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #508H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3549.0usft
Site:	Python 36 State	MD Reference:	KB = 25 @ 3549.0usft
Well:	#508H	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	Python 36 State		
Site Position:		Northing:	425,475.00 usft
From:	Map	Easting:	760,394.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 3.821 N
		Longitude:	103° 37' 31.398 W
		Grid Convergence:	0.38 °

Well	#508H		
Well Position	+N-S	0.0 usft	Northing:
	+E-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			usft
			Latitude:
			Longitude:
			Ground Level:
			3,524.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	2/4/2020	6.69
			Dip Angle
			59.97
			Field Strength
			47,627.94974246

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			0.00

Survey Program	Date 2/2/2020		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		Description
199.0	15,834.0	Drilltech MWD (OH)	EOG MWD+IFR1
			MWD + IFR1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #508H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3549.0usft
Site:	Python 36 State	MD Reference:	KB = 25 @ 3549.0usft
Well:	#508H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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
199.0	2.02	252.45	199.0	-1.1	-3.3	1.02	1.02	0.00	0.0	0.0
346.0	2.20	249.46	345.9	-2.8	-8.5	0.14	0.12	-2.03	0.0	0.0
406.0	1.49	242.25	405.8	-3.6	-10.2	1.24	-1.18	-12.02	0.0	0.0
525.0	1.49	231.62	524.8	-5.3	-12.8	0.23	0.00	-8.93	0.0	0.0
583.0	1.49	234.52	582.8	-6.2	-14.0	0.13	0.00	5.00	0.0	0.0
643.0	1.85	234.61	642.7	-7.2	-15.4	0.60	0.60	0.15	0.0	0.0
672.0	2.02	233.73	671.7	-7.8	-16.2	0.60	0.59	-3.03	0.0	0.0
769.0	2.02	235.05	768.7	-9.8	-19.0	0.05	0.00	1.36	0.0	0.0
863.0	2.55	223.45	862.6	-12.2	-21.8	0.75	0.56	-12.34	0.0	0.0
957.0	1.23	216.41	956.5	-14.6	-23.8	1.42	-1.40	-7.49	0.0	0.0
1,052.0	0.97	228.28	1,051.5	-15.9	-25.0	0.36	-0.27	12.49	0.0	0.0
1,122.0	1.06	218.52	1,121.5	-16.8	-25.9	0.28	0.13	-13.94	0.0	0.0
1,205.0	1.32	224.06	1,204.5	-18.1	-27.0	0.34	0.31	6.67	0.0	0.0
1,243.0	1.23	229.95	1,242.5	-18.7	-27.7	0.42	-0.24	15.50	0.0	0.0
1,338.0	3.96	145.31	1,337.4	-22.0	-26.6	4.25	2.87	-89.09	0.0	0.0
1,431.0	7.03	134.94	1,430.0	-28.7	-20.7	3.46	3.30	-11.15	0.0	0.0
1,526.0	7.47	128.88	1,524.2	-36.7	-11.8	0.93	0.46	-6.38	0.0	0.0
1,620.0	7.21	117.89	1,617.4	-43.3	-1.8	1.52	-0.28	-11.69	0.0	0.0
1,715.0	7.03	112.97	1,711.7	-48.3	8.8	0.67	-0.19	-5.18	0.0	0.0
1,809.0	6.60	113.93	1,805.0	-52.8	19.0	0.47	-0.46	1.02	0.0	0.0
1,903.0	6.07	107.52	1,898.5	-56.5	28.7	0.94	-0.56	-6.82	0.0	0.0
1,997.0	5.89	100.05	1,992.0	-58.8	38.2	0.85	-0.19	-7.95	0.0	0.0
2,092.0	5.54	98.03	2,086.5	-60.3	47.5	0.42	-0.37	-2.13	0.0	0.0
2,186.0	4.92	99.26	2,180.1	-61.6	56.0	0.67	-0.66	1.31	0.0	0.0
2,280.0	4.57	98.73	2,273.8	-62.8	63.7	0.38	-0.37	-0.56	0.0	0.0
2,374.0	4.31	96.97	2,367.5	-63.8	70.9	0.31	-0.28	-1.87	0.0	0.0



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #508H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3549.0usft
Site:	Python 36 State	MD Reference:	KB = 25 @ 3549.0usft
Well:	#508H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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)
2,468.0	3.96	96.53	2,461.2	-64.6	77.6	0.37	-0.37	-0.47	0.0	0.0
2,562.0	3.69	95.92	2,555.0	-65.3	83.9	0.29	-0.29	-0.65	0.0	0.0
2,657.0	4.31	101.28	2,649.8	-66.3	90.4	0.76	0.65	5.64	0.0	0.0
2,751.0	5.19	105.67	2,743.5	-68.1	98.0	1.01	0.94	4.67	0.0	0.0
2,846.0	4.92	104.00	2,838.1	-70.3	106.1	0.32	-0.28	-1.76	0.0	0.0
2,940.0	4.57	103.04	2,931.8	-72.1	113.6	0.38	-0.37	-1.02	0.0	0.0
3,034.0	4.40	102.24	3,025.5	-73.7	120.8	0.19	-0.18	-0.85	0.0	0.0
3,128.0	4.04	101.89	3,119.2	-75.1	127.6	0.38	-0.38	-0.37	0.0	0.0
3,223.0	4.22	108.66	3,214.0	-76.9	134.1	0.55	0.19	7.13	0.0	0.0
3,317.0	4.75	114.11	3,307.7	-79.6	141.0	0.72	0.56	5.80	0.0	0.0
3,411.0	4.13	115.25	3,401.4	-82.7	147.6	0.67	-0.66	1.21	0.0	0.0
3,506.0	4.04	112.26	3,496.2	-85.4	153.8	0.24	-0.09	-3.15	0.0	0.0
3,600.0	4.57	112.44	3,589.9	-88.1	160.3	0.56	0.56	0.19	0.0	0.0
3,694.0	5.72	111.39	3,683.5	-91.2	168.1	1.23	1.22	-1.12	0.0	0.0
3,788.0	5.45	108.22	3,777.1	-94.3	176.7	0.44	-0.29	-3.37	0.0	0.0
3,882.0	4.92	106.73	3,870.7	-96.9	184.8	0.58	-0.56	-1.59	0.0	0.0
3,976.0	4.40	103.39	3,964.4	-98.9	192.2	0.62	-0.55	-3.55	0.0	0.0
4,070.0	3.52	103.39	4,058.2	-100.4	198.5	0.94	-0.94	0.00	0.0	0.0
4,164.0	3.96	105.58	4,152.0	-101.9	204.4	0.49	0.47	2.33	0.0	0.0
4,258.0	6.86	112.79	4,245.5	-105.0	212.7	3.16	3.09	7.67	0.0	0.0
4,352.0	6.77	114.46	4,338.9	-109.4	223.0	0.23	-0.10	1.78	0.0	0.0
4,446.0	6.16	113.93	4,432.3	-113.8	232.6	0.65	-0.65	-0.56	0.0	0.0
4,540.0	6.51	115.52	4,525.7	-118.1	242.0	0.42	0.37	1.69	0.0	0.0
4,635.0	6.86	117.80	4,620.1	-123.1	251.9	0.46	0.37	2.40	0.0	0.0
4,729.0	7.03	118.68	4,713.4	-128.5	261.9	0.21	0.18	0.94	0.0	0.0
4,823.0	6.42	117.63	4,806.7	-133.7	271.6	0.66	-0.65	-1.12	0.0	0.0
4,908.0	5.80	117.36	4,891.2	-137.8	279.7	0.73	-0.73	-0.32	0.0	0.0

MD	Inc	Azi (azimuth)	TVD	N/S	EW	Dleg	Build	Turn	High to Plan	Right to Plan
(ust)	(°)	(°)	(ust)	(ust)	(ust)	(/100ust)	(/100ust)	(/100ust)	(ust)	(ust)
5,002.0	5.63	115.60	4,984.8	-142.0	288.0	0.26	-0.16	-1.87	0.0	0.0
5,096.0	5.36	118.77	5,078.3	-146.1	286.0	0.43	-0.29	3.37	0.0	0.0
5,191.0	2.73	97.59	5,173.1	-148.6	302.2	3.14	-2.77	-22.29	0.0	0.0
5,285.0	2.99	80.71	5,267.0	-148.5	306.8	0.93	0.28	-17.96	0.0	0.0
5,379.0	1.41	147.95	5,360.9	-149.0	309.8	2.95	-1.68	71.53	0.0	0.0
5,473.0	1.58	180.29	5,454.9	-151.3	310.5	0.90	0.16	34.40	0.0	0.0
5,567.0	1.14	352.03	5,548.9	-151.7	310.3	2.89	-0.47	182.70	0.0	0.0
5,661.0	1.93	339.72	5,642.9	-149.3	309.6	0.91	0.84	-13.10	0.0	0.0
5,756.0	1.93	339.72	5,737.8	-146.3	309.5	0.00	0.00	0.00	0.0	0.0
5,850.0	1.85	344.03	5,831.7	-143.3	307.6	0.17	-0.09	4.59	0.0	0.0
5,944.0	1.76	340.96	5,925.7	-140.5	306.7	0.14	-0.10	-3.27	0.0	0.0
6,039.0	1.85	333.40	6,020.7	-137.8	305.5	0.27	0.09	-7.96	0.0	0.0
6,133.0	1.85	333.31	6,114.6	-135.0	304.2	0.00	0.00	-0.10	0.0	0.0
6,228.0	1.67	340.34	6,209.6	-132.4	303.0	0.30	-0.19	7.40	0.0	0.0
6,322.0	1.85	337.00	6,303.5	-129.7	301.9	0.22	0.19	-3.55	0.0	0.0
6,416.0	0.97	91.79	6,397.5	-128.3	302.1	2.58	-0.94	122.12	0.0	0.0
6,510.0	1.41	102.95	6,491.5	-128.6	304.1	0.53	0.47	11.87	0.0	0.0
6,604.0	1.14	104.88	6,585.5	-129.1	306.1	0.29	-0.29	2.05	0.0	0.0
6,698.0	1.14	110.07	6,679.4	-129.7	307.9	0.11	0.00	5.52	0.0	0.0
6,793.0	1.14	102.42	6,774.4	-130.2	309.7	0.16	0.00	-8.05	0.0	0.0
6,887.0	0.97	106.11	6,868.4	-130.6	311.4	0.19	-0.18	3.93	0.0	0.0
6,981.0	0.79	114.20	6,962.4	-131.1	312.7	0.23	-0.19	8.61	0.0	0.0
7,076.0	0.88	112.79	7,057.4	-131.6	314.0	0.10	0.09	-1.48	0.0	0.0
7,170.0	0.88	102.07	7,151.4	-132.1	315.4	0.17	0.00	-11.40	0.0	0.0
7,264.0	1.06	102.68	7,245.4	-132.4	316.9	0.19	0.19	0.65	0.0	0.0
7,359.0	0.70	19.63	7,340.3	-132.1	318.0	1.26	-0.38	-87.42	0.0	0.0

Company:	EOG Resources - Midland
Project:	Lea County, NM (NAD 83 NME)
Site:	Pythion 36 State
Well:	#508H
Wellbore:	OH
Design:	OH
Database:	EDM
Survey Calculation Method:	Minimum Curvature
North Reference:	Ghd
MD Reference:	KB = 25 @ 3549.0ust
TVD Reference:	KB = 25 @ 3549.0ust
Local Co-ordinate Reference:	Well #508H

Midland PVA





Midland PVA

Company:	EOG Resources - Midland
Project:	Lea County, NM (NAD 83 NME)
Site:	Python 36 State
Well:	#508H
Wellbore:	OH
Design:	OH
Local Co-ordinate Reference:	
TVD Reference:	
MD Reference:	
North Reference:	
Survey Calculation Method:	
Database:	
EDM	
Grid	
Minimum Curvature	
KB = 25 @ 3549.0ust	
KB = 25 @ 3549.0ust	
Well #508H	

Survey	MD (ust)	Inc (°)	Azi (azimuth) (°)	TVD (ust)	N/S (ust)	EW (ust)	Dleg (°/100ust)	Build (°/100ust)	Turn (°/100ust)	High to Plan (ust)	Right to Plan (ust)
Brushy Top (Python 36 State #508H)	7,453.0	0.79	111.03	7,434.3	-131.8	318.8	1.14	0.68	107.43	0.0	0.0
	7,419.2	0.56	84.33	7,400.6	-131.7	318.4	1.14	-0.23	107.43	0.0	0.0
	7,360.0	0.79	106.73	7,717.3	-133.1	322.4	0.10	0.09	-1.29	0.0	0.0
	7,641.0	0.70	107.96	7,622.3	-132.8	321.2	0.22	-0.19	-7.38	0.0	0.0
	7,547.0	0.88	114.90	7,528.3	-132.3	320.0	0.11	0.10	4.12	0.0	0.0
	7,830.0	0.53	118.15	7,811.3	-133.5	323.4	0.31	-0.28	12.15	0.0	0.0
	7,924.0	0.53	127.47	7,905.3	-134.0	324.1	0.09	0.00	9.91	0.0	0.0
	8,019.0	0.44	125.10	8,000.3	-134.5	324.8	0.10	-0.09	-2.49	0.0	0.0
	8,113.0	0.62	143.03	8,094.3	-135.1	325.4	0.26	0.19	19.07	0.0	0.0
	8,207.0	0.62	153.57	8,188.3	-136.0	325.9	0.12	0.00	11.21	0.0	0.0
	8,301.0	0.70	161.57	8,282.3	-137.0	326.3	0.13	0.09	8.51	0.0	0.0
	8,395.0	1.06	157.44	8,376.3	-138.3	326.8	0.39	0.38	-4.39	0.0	0.0
	8,489.0	1.06	167.81	8,470.3	-140.0	327.4	0.20	0.00	11.03	0.0	0.0
	8,584.0	1.06	166.32	8,565.2	-141.7	327.8	0.03	0.00	-1.57	0.0	0.0
	8,678.0	1.23	169.74	8,659.2	-143.5	328.1	0.19	0.18	3.64	0.0	0.0
	8,772.0	1.14	184.42	8,753.2	-145.4	328.2	0.34	-0.10	15.62	0.0	0.0
	8,866.0	1.23	184.95	8,847.2	-147.4	328.1	0.10	0.10	0.56	0.0	0.0
	8,960.0	1.23	193.12	8,941.2	-149.4	327.8	0.19	0.00	8.69	0.0	0.0
	9,055.0	1.41	196.38	9,036.1	-151.5	327.2	0.21	0.19	3.43	0.0	0.0
	9,149.0	1.49	178.62	9,130.1	-153.8	326.9	0.48	0.09	-18.89	0.0	0.0
	9,244.0	1.14	204.64	9,225.1	-155.9	326.6	0.72	-0.37	27.39	0.0	0.0
	9,338.0	1.14	257.28	9,319.1	-156.9	325.2	1.08	0.00	56.00	0.0	0.0
	9,432.0	1.06	222.74	9,413.1	-157.8	323.7	0.70	-0.09	-36.74	0.0	0.0
	9,527.0	0.97	207.89	9,508.0	-159.1	322.8	0.29	-0.09	-15.63	0.0	0.0
	9,620.0	1.58	155.86	9,601.0	-161.0	322.9	1.34	0.66	-55.95	0.0	0.0
	9,715.0	1.85	137.93	9,696.0	-163.3	324.5	0.63	0.28	-18.87	0.0	0.0



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #508H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3549.0usft
Site:	Python 36 State	MD Reference:	KB = 25 @ 3549.0usft
Well:	#508H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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)
9,809.0	1.41	117.27	9,789.9	-165.0	326.5	0.77	-0.47	-21.98	0.0	0.0
9,903.0	1.23	143.73	9,893.9	-166.3	328.2	0.67	-0.19	28.15	0.0	0.0
9,998.0	1.76	176.42	9,978.9	-168.6	328.9	1.03	0.56	34.41	0.0	0.0
10,092.0	2.29	186.62	10,072.8	-171.9	328.7	0.68	0.56	10.85	0.0	0.0
10,140.0	2.37	188.47	10,120.8	-173.9	328.5	0.23	0.17	3.85	0.0	0.0
10,200.0	3.01	232.87	10,180.7	-176.0	327.0	3.53	1.07	74.01	0.0	0.0
KOP: MD:10200.0', TVD:10180.7', N/S:-176.0', E/W:327.0', INC:3.01										
10,214.0	3.34	239.53	10,194.7	-176.5	326.4	3.53	2.35	47.54	0.0	0.0
10,308.0	7.03	273.54	10,288.3	-177.5	318.3	4.95	3.93	36.18	0.0	0.0
10,403.0	16.36	260.80	10,381.3	-179.3	299.2	10.13	9.82	-13.41	0.0	0.0
10,497.0	23.04	256.23	10,469.7	-185.8	268.3	7.29	7.11	-4.86	0.0	0.0
10,530.0	26.73	256.67	10,499.6	-189.0	254.8	11.20	11.18	1.33	-0.7	-0.1
10,561.0	28.23	265.55	10,527.2	-191.2	240.7	14.06	4.84	28.65	-2.2	-0.7
10,592.0	29.55	278.55	10,554.3	-190.7	225.8	20.67	4.26	41.94	-4.9	-0.7
10,624.0	32.62	292.79	10,581.8	-186.1	210.0	24.83	9.59	44.50	-8.7	0.0
10,656.0	37.46	301.93	10,608.0	-177.6	193.8	22.28	15.12	28.56	-13.7	1.2
10,687.0	43.26	310.28	10,631.6	-165.8	177.6	25.55	18.71	26.94	-19.9	3.6
10,718.0	49.07	319.16	10,653.1	-150.0	161.8	27.86	18.74	28.65	-27.0	7.2
10,721.3	49.55	320.13	10,655.2	-148.1	160.2	26.72	14.63	29.48	-27.8	7.6
FTP Crossing, MD:10721.3', TVD:10655.2', N/S:-148.1', E/W:160.2', INC:49.55										
10,749.0	53.90	327.77	10,672.4	-130.5	147.5	26.72	15.69	27.57	-34.5	11.2
10,771.6	55.58	333.96	10,685.4	-114.4	138.5	23.59	7.44	27.43	-39.7	13.9
FTP (Python 36 State #508H)										
10,781.0	56.37	336.47	10,690.7	-107.3	135.3	23.59	8.40	26.61	-41.6	14.9
10,812.0	59.18	346.14	10,707.3	-82.5	126.9	27.89	9.06	31.19	-47.2	17.7
10,843.0	61.47	354.40	10,722.6	-56.0	122.4	24.29	7.39	26.65	-52.0	17.6
10,875.0	65.25	0.03	10,737.0	-27.5	121.0	19.66	11.81	17.59	-56.6	14.0



Midland PVA

Company:	EOG Resources - Midland
Project:	Lea County, NM (NAD 83 NME)
Site:	Python 36 State
Well:	#508H
Wellbore:	OH
Design:	OH
Local Co-ordinate Reference:	
TVD Reference:	
MD Reference:	
North Reference:	
Survey Calculation Method:	
Database:	
EDM:	
Grid:	
Minimum Curvature:	

MD	Inc	Azi (azimuth)	TVD	N/S	EW	Dleg	Build	Turn	High to Plan	Right to Plan
(ustf)	(°)	(°)	(ustf)	(ustf)	(ustf)	(ustf)	(/100ustf)	(/100ustf)	(ustf)	(ustf)
10,906.0	72.98	2.31	10,748.0	1.5	121.6	25.86	24.94	7.35	-61.7	8.2
10,937.0	78.61	4.77	10,765.7	31.4	123.5	19.72	18.16	7.94	-67.2	2.4
10,690.0	79.76	5.21	10,761.7	62.8	126.2	3.84	3.59	1.37	-71.3	-4.1
11,063.0	87.49	4.31	10,772.1	155.8	133.9	8.28	8.22	-0.96	-68.6	-12.2
11,157.0	91.01	3.79	10,773.3	249.5	140.6	3.79	3.74	-0.55	-60.1	-10.4
11,251.0	92.15	3.08	10,770.7	343.3	146.2	1.43	1.21	-0.76	-55.3	-7.6
11,346.0	91.01	4.31	10,768.1	438.1	152.3	1.76	-1.20	1.29	-50.4	-5.3
11,440.0	91.01	4.84	10,766.4	531.8	159.8	0.56	0.00	0.56	-44.7	-4.5
11,534.0	91.54	4.84	10,764.4	625.4	167.8	0.56	0.56	0.00	-39.4	-4.0
11,628.0	90.22	4.58	10,762.9	719.1	175.5	1.43	-1.40	-0.28	-33.5	-3.4
11,722.0	90.40	5.02	10,762.4	812.7	183.3	0.51	0.19	0.47	-26.6	-2.9
11,817.0	89.69	4.40	10,762.3	907.4	191.1	0.99	-0.75	-0.65	-19.2	-2.2
11,911.0	89.87	4.40	10,762.7	1,001.1	198.4	0.19	0.19	0.00	-11.7	-1.3
12,006.0	90.13	3.61	10,762.7	1,094.9	204.9	0.88	0.28	-0.84	-6.6	-2.6
12,100.0	89.87	1.50	10,762.7	1,189.8	209.2	2.24	-0.27	-2.22	-4.2	-5.3
12,194.0	90.57	1.06	10,762.3	1,283.8	211.3	0.88	0.74	-0.47	-3.7	-7.8
12,288.0	89.16	359.83	10,762.5	1,377.8	212.0	1.99	-1.50	-1.31	-2.7	-9.0
12,383.0	89.34	359.57	10,763.8	1,472.8	211.5	0.33	0.19	-0.27	-0.6	-9.0
12,422.0	89.01	359.28	10,764.4	1,511.8	211.1	1.12	-0.84	-0.74	0.4	-8.8
12,477.0	88.55	358.87	10,765.5	1,566.8	210.2	1.12	-0.84	-0.74	1.9	-8.3
12,571.0	88.99	358.69	10,767.5	1,660.7	208.2	0.51	0.47	-0.19	4.4	-7.0
12,665.0	89.43	359.04	10,768.8	1,754.7	206.3	0.60	0.47	0.37	6.3	-5.8
12,760.0	89.08	359.57	10,770.1	1,849.7	205.2	0.67	-0.37	0.56	8.1	-5.4
12,854.0	89.16	359.83	10,771.5	1,943.7	204.7	0.29	0.09	0.28	10.1	-5.6
12,948.0	89.78	0.01	10,772.4	2,037.6	204.6	0.69	0.66	0.19	11.5	-6.2
13,042.0	89.87	0.27	10,772.7	2,131.6	204.8	0.29	0.10	0.28	12.3	-7.1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #508H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3549.0usft
Site:	Python 36 State	MD Reference:	KB = 25 @ 3549.0usft
Well:	#508H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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)
13,137.0	89.60	359.57	10,773.1	2,226.6	204.7	0.79	-0.28	-0.74	13.3	-7.7
13,231.0	89.60	359.66	10,773.8	2,320.6	204.0	0.10	0.00	0.10	14.5	-7.7
13,325.0	89.96	359.92	10,774.1	2,414.6	203.7	0.47	0.38	0.28	15.4	-8.1
13,419.0	89.43	357.81	10,774.6	2,508.6	201.8	2.31	-0.56	-2.24	16.5	-6.9
13,512.0	89.08	357.55	10,775.8	2,601.5	198.1	0.47	-0.38	-0.28	18.2	-3.8
13,602.0	88.99	357.28	10,777.4	2,691.4	194.0	0.32	-0.10	-0.30	20.3	-0.4
13,696.0	89.43	356.67	10,778.7	2,785.3	189.0	0.80	0.47	-0.65	22.1	3.8
13,791.0	90.92	358.43	10,778.4	2,880.2	185.0	2.43	1.57	1.85	22.4	7.2
13,885.0	91.89	358.78	10,776.1	2,974.1	182.7	1.10	1.03	0.37	20.6	8.8
13,979.0	90.57	359.04	10,774.0	3,068.1	180.9	1.43	-1.40	0.28	19.2	9.9
14,074.0	91.28	359.74	10,772.5	3,163.1	179.9	1.05	0.75	0.74	18.2	10.2
14,168.0	90.48	359.92	10,771.1	3,257.1	179.6	0.87	-0.85	0.19	17.3	9.7
14,262.0	91.19	359.74	10,769.7	3,351.0	179.3	0.78	0.76	-0.19	16.5	9.3
14,357.0	90.40	359.48	10,768.4	3,446.0	178.7	0.88	-0.83	-0.27	15.7	9.3
14,451.0	89.25	359.30	10,768.7	3,540.0	177.7	1.24	-1.22	-0.19	16.6	9.6
14,545.0	90.04	359.39	10,769.2	3,634.0	176.6	0.85	0.84	0.10	17.7	9.9
14,639.0	90.75	359.39	10,768.6	3,728.0	175.6	0.76	0.76	0.00	17.6	10.3
14,734.0	88.64	359.57	10,769.1	3,823.0	174.8	2.23	-2.22	0.19	18.7	10.4
14,828.0	88.81	359.48	10,771.2	3,917.0	174.0	0.20	0.18	-0.10	21.3	10.5
14,922.0	89.34	359.48	10,772.7	4,011.0	173.1	0.56	0.56	0.00	23.4	10.6
15,016.0	89.34	359.22	10,773.8	4,104.9	172.1	0.28	0.00	-0.28	25.0	11.0
15,111.0	89.43	359.30	10,774.8	4,199.9	170.8	0.13	0.09	0.08	26.6	11.5
15,205.0	90.31	359.30	10,775.0	4,293.9	169.7	0.94	0.94	0.00	27.3	12.0
15,299.0	90.92	359.30	10,774.0	4,387.9	168.5	0.65	0.65	0.00	26.9	12.4
15,394.0	91.80	359.39	10,771.8	4,482.9	167.4	0.93	0.93	0.09	25.2	12.8
15,488.0	92.42	359.22	10,768.3	4,576.8	166.3	0.68	0.66	-0.18	22.3	13.3
15,582.0	92.95	359.48	10,763.9	4,670.7	165.2	0.63	0.56	0.28	18.4	13.6



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #508H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3549.0usft
Site:	Python 36 State	MD Reference:	KB = 25 @ 3549.0usft
Well:	#508H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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)
15,676.0	93.30	359.74	10,758.8	4,764.6	164.6	0.46	0.37	0.28	13.8	13.6
Last MWD Survey (MD=15676.0')										
15,834.0	93.30	359.74	10,749.7	4,922.3	163.9	0.00	0.00	0.00	5.7	13.1
Projection to Bit (MD=15834.0') - PBHL (Python 36 State #508H)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,200.0	10,180.7	-176.0	327.0	KOP, MD:10200.0', TVD:10180.7', N/S:-176.0', E/W:327.0', INC:3.01
10,721.3	10,655.2	-148.1	160.2	FTP Crossing, MD:10721.3', TVD:10655.2', N/S:-148.1', E/W:160.2', INC:49.55
15,676.0	10,758.8	4,764.6	164.6	Last MWD Survey (MD=15676.0')
15,834.0	10,749.7	4,922.3	163.9	Projection to Bit (MD=15834.0')

Checked By: _____ Approved By: _____ Date: _____

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

Kay Maddox 10/14/2020
Signed Date

Los Angeles, CA (LAX) 83 14612
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 944, February 02 2029