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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

OCD - HOBBS
11/09/2020
RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46609	² Pool Code 97964	³ Pool Name WC025 G07 S243225C; LOWER BONE SPRING
⁴ Property Code 325160	⁵ Property Name PYTHON 36 STATE	⁶ Well Number 506H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3539'

¹⁰Surface Location

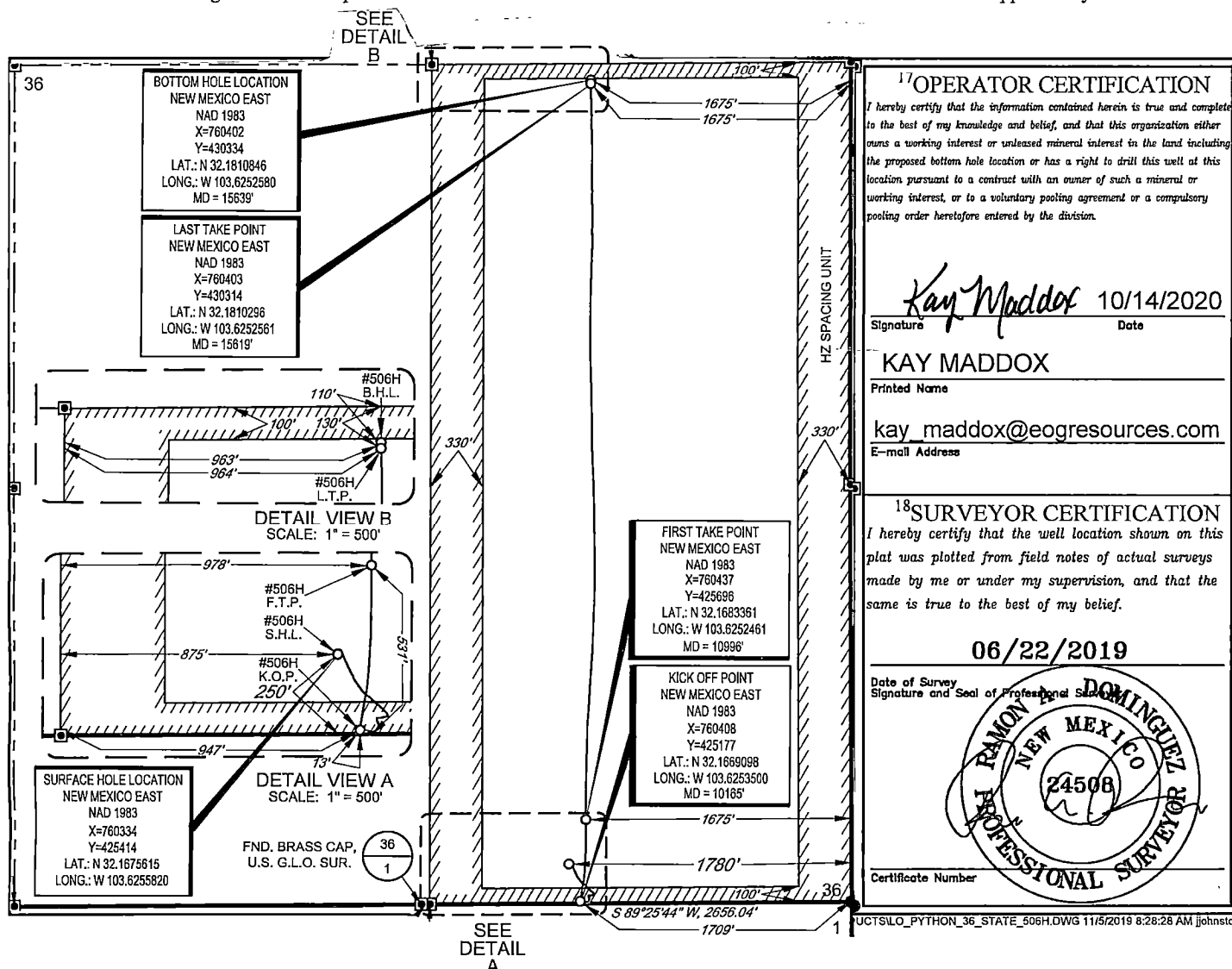
UL or lot no. 0	Section 36	Township 24-S	Range 32-E	Lot Idn -	Feet from the 250'	North/South line SOUTH	Feet from the 1780'	East/West line EAST	County LEA
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¹¹Bottom Hole Location If Different From Surface

UL or lot no. B	Section 36	Township 24-S	Range 32-E	Lot Idn -	Feet from the 110'	North/South line NORTH	Feet from the 1675'	East/West line EAST	County LEA
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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 ☐ XXX

API #
30-025-46609

Operator Name: EOG RESOURCES, INC	Property Name: PYTHON 36 STATE	Well Number 506H
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Kick Off Point (KOP)

UL O	Section 36	Township 24S	Range 32E	Lot	Feet 13	From N/S SOUTH	Feet 1709	From E/W EAST	County LEA
Latitude 32.1669098					Longitude 103.6253500				NAD 1983

First Take Point (FTP)

UL O	Section 36	Township 24S	Range 32E	Lot	Feet 531	From N/S SOUTH	Feet 1675	From E/W EAST	County LEA
Latitude 32.1683361					Longitude 103.6252461				NAD 1983

Last Take Point (LTP)

UL B	Section 36	Township 24S	Range 32E	Lot	Feet 130	From N/S NORTH	Feet 1675	From E/W EAST	County LEA
Latitude 32.1810296					Longitude 103.6252561				NAD 1983

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

Is this well an infill well? ☐ NO

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

API #

Operator Name: EOG RESOURCES, INC	Property Name:	Well Number
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KZ 06/29/2018

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KZ



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Python 36 State

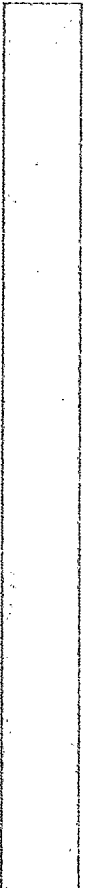
#506H

OH

Design: OH

Midland PVA

03 February, 2020





Midland PVA

Company:	EOG Resources - Midland			Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)			TVD Reference:	KB = 25 @ 3564.0usft (H&P 642)
Site:	Python 36 State			MD Reference:	KB = 25 @ 3564.0usft (H&P 642)
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				

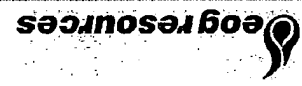
Site	Python 36 State				
Site Position:		Northing:	425,475.00 usft	Latitude:	32° 10' 3.821 N
From:	Map	Easting:	760,394.00 usft	Longitude:	103° 37' 31.398 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.38 °

Well	#506H					
Well Position	+N-S	0.0 usft	Northing:	425,414.00 usft	Latitude:	32° 10' 3.221 N
	+E-W	0.0 usft	Easting:	760,334.00 usft	Longitude:	103° 37' 32.101 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,539.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/26/2019	6.71	59.97	47,647.07677911

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	1.09	

Survey Program	Date	2/3/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
176.0	15,639.0	Driltech (OH)	EOG MWD+IFR1	MWD + IFR1



Midland PVA

Company:	EOG Resources - Midland
Project:	Lea County, NM (NAD 83 NME)
Site:	Python 36 State
Well:	#506H
Wellbore:	OH
Design:	OH

Local Co-ordinate Reference:	Well #506H
TVD Reference:	KB = 25 @ 3564.0usft (H&P 642)
North Reference:	Gtd
Survey Calculation Method:	Minimum Curvature
Database:	EDM

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EMV (usft)	Dleg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
	0.0	0.00	0.00	176.0	1.49	0.00	0.00	0.85	0.00	0.00	0.0
	176.0	1.49	61.91	176.0	1.1	2.0	0.85	0.85	0.00	-2.3	0.0
	206.0	1.41	51.63	206.0	1.5	2.7	0.91	-0.27	-34.27	-3.0	-0.5
	292.0	1.14	48.29	291.9	2.7	4.1	0.33	-0.31	-3.88	-4.9	-0.7
	381.0	1.41	50.57	380.9	4.0	5.6	0.31	0.30	2.56	-6.9	-0.5
	468.0	1.58	47.50	467.9	5.5	7.3	0.22	0.20	-3.53	-9.1	-0.9
	556.0	1.41	29.04	557.9	7.3	8.8	0.56	-0.19	-20.51	-10.6	-4.1
	746.0	0.44	2.76	745.8	10.0	9.9	0.55	-0.52	-13.98	-10.5	-9.5
	839.0	0.53	305.90	838.8	10.6	9.6	0.50	0.10	-61.14	1.5	-14.3
	932.0	0.26	252.28	931.6	10.8	9.1	0.46	-0.29	-57.66	11.9	-7.6
	1,026.0	0.18	310.56	1,025.8	10.9	8.8	0.24	-0.09	62.00	-0.4	-13.9
	1,120.0	0.18	283.18	1,119.8	10.9	8.5	0.15	0.00	-50.40	9.7	-9.9
	1,309.0	0.62	13.84	1,308.8	11.9	8.4	0.37	0.23	58.55	-13.6	-5.4
	1,403.0	0.53	353.71	1,402.8	12.8	8.5	0.23	-0.10	-21.41	-11.8	-9.9
	1,497.0	0.35	346.41	1,496.8	13.5	8.4	0.20	-0.19	-7.77	-11.2	-11.3
	1,591.0	1.06	141.01	1,590.8	13.1	8.9	1.47	0.76	164.47	4.6	15.2
	1,684.0	3.08	155.16	1,683.8	10.2	10.5	2.22	2.17	15.22	15.22	13.6
	1,778.0	4.40	157.10	1,777.6	4.6	12.9	1.41	1.40	2.06	4.6	12.7
	1,871.0	5.45	152.88	1,870.2	-2.6	16.3	1.19	1.13	-4.54	2.4	12.0
	1,964.0	5.01	154.11	1,962.8	-10.2	20.1	0.49	-0.47	1.32	1.2	11.1
	2,057.0	5.10	154.81	2,055.5	-17.6	23.7	0.12	0.10	0.75	0.2	10.1
	2,151.0	4.66	157.19	2,149.1	-24.9	26.9	0.52	-0.47	2.53	-0.4	8.9
	2,245.0	4.48	154.37	2,242.8	-31.7	30.0	0.31	-0.19	-3.00	-1.2	7.7
	2,339.0	4.84	151.21	2,336.5	-38.5	33.5	0.47	0.38	-3.36	-2.2	6.8
	2,432.0	5.36	151.39	2,429.1	-45.8	37.5	0.56	0.56	0.19	-3.4	6.2
	2,526.0	4.92	153.76	2,522.8	-53.2	41.3	0.52	-0.47	2.52	-4.4	5.6
	2,619.0	5.01	153.76	2,615.4	-60.5	44.9	0.10	0.10	0.00	-5.5	4.7



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3564.0usft (H&P 642)
Site:	Pythion 36 State	MD Reference:	KB = 25 @ 3564.0usft (H&P 642)
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)	
2,713.0	4.92	153.49	2,709.1	-67.7	48.5	0.10	-0.10	-0.29	-6.5	3.8	
2,807.0	4.66	157.27	2,802.7	-74.9	51.8	0.43	-0.28	4.02	-7.1	3.1	
2,901.0	5.63	147.43	2,896.4	-82.3	55.7	1.39	1.03	-10.47	-8.7	1.1	
2,994.0	6.51	143.04	2,988.8	-90.3	61.4	1.07	0.95	-4.72	-11.6	0.5	
3,088.0	6.51	144.97	3,082.2	-99.0	67.6	0.23	0.00	2.05	-15.0	1.3	
3,182.0	6.60	144.18	3,175.6	-107.7	73.8	0.14	0.10	-0.84	-18.7	1.3	
3,276.0	6.24	136.00	3,269.0	-115.8	80.6	1.04	-0.38	-8.70	-22.1	-0.9	
3,369.0	6.60	128.45	3,361.4	-122.7	88.3	0.99	0.39	-8.12	-25.4	-2.2	
3,462.0	5.54	123.44	3,453.9	-128.5	96.2	1.27	-1.14	-5.39	-28.4	-2.1	
3,556.0	5.36	132.49	3,547.5	-134.0	103.2	0.93	-0.19	9.63	-30.4	4.8	
3,651.0	4.92	137.59	3,642.1	-140.0	109.2	0.67	-0.46	5.37	-31.2	9.0	
3,744.0	4.92	128.01	3,734.8	-145.4	115.1	0.88	0.00	-10.30	-33.4	5.2	
3,837.0	4.40	126.78	3,827.5	-150.0	121.1	0.57	-0.56	-1.32	-34.4	6.8	
3,931.0	3.69	127.48	3,921.2	-154.0	126.4	0.76	-0.76	0.74	-34.2	9.6	
4,025.0	3.25	130.12	4,015.1	-157.5	130.8	0.50	-0.47	2.81	-32.5	13.3	
4,119.0	2.11	136.71	4,109.0	-160.5	134.0	1.25	-1.21	7.01	-28.1	18.5	
4,212.0	2.37	134.33	4,201.9	-163.1	136.6	0.30	0.28	-2.56	-25.6	18.7	
4,306.0	3.96	126.86	4,295.7	-166.4	140.6	1.74	1.69	-7.95	-26.2	17.4	
4,399.0	3.78	134.07	4,388.5	-170.5	145.3	0.56	-0.19	7.75	-23.2	22.4	
4,491.0	3.96	131.35	4,480.3	-174.7	149.9	0.28	0.20	-2.96	-23.6	23.0	
4,584.0	4.84	144.71	4,573.0	-180.0	154.6	1.45	0.95	14.37	-17.7	28.8	
4,677.0	4.13	150.95	4,665.8	-186.1	158.5	0.93	-0.76	6.71	-14.6	30.4	
4,771.0	0.97	192.96	4,759.7	-189.9	159.9	3.69	-3.36	44.69	11.0	29.6	
4,835.0	0.97	196.47	4,823.7	-190.9	159.6	0.09	0.00	5.48	13.9	26.2	
4,958.0	0.70	258.88	4,946.6	-192.1	158.6	0.73	-0.22	50.74	27.5	-1.7	
5,144.0	0.88	250.35	5,132.6	-192.8	156.2	0.12	0.10	-4.59	24.8	2.2	
5,237.0	0.79	253.60	5,225.6	-193.2	154.9	0.11	-0.10	3.49	23.6	0.9	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3564.0usft (H&P 642)
Site:	Pylon 36 State	MD Reference:	KB = 25 @ 3564.0usft (H&P 642)
Well:	#506H	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)
5,424.0	0.79	264.15	5,412.6	-193.7	152.3	0.08	0.00	5.64	20.8	-3.2
5,517.0	0.88	255.54	5,505.6	-193.9	151.0	0.17	0.10	-9.26	19.7	-0.2
5,610.0	0.79	264.32	5,598.6	-194.2	149.7	0.17	-0.10	9.44	18.1	-3.1
5,704.0	0.62	255.36	5,692.6	-194.4	148.6	0.22	-0.18	-9.53	17.2	-0.3
5,797.0	0.79	258.52	5,785.6	-194.6	147.4	0.19	0.18	3.40	16.0	-1.2
5,890.0	0.70	246.04	5,878.6	-195.0	146.3	0.20	-0.10	-13.42	14.7	2.1
5,984.0	0.79	240.51	5,972.5	-195.5	145.2	0.12	0.10	-5.88	13.2	3.5
6,078.0	0.88	254.04	6,066.5	-196.0	143.9	0.23	0.10	14.39	12.3	0.4
6,171.0	0.97	257.29	6,159.5	-196.4	142.5	0.11	0.10	3.49	10.8	-0.2
6,265.0	1.14	257.03	6,253.5	-196.8	140.8	0.18	0.18	-0.28	9.1	-0.2
6,359.0	1.14	259.14	6,347.5	-197.2	139.0	0.04	0.00	2.24	7.2	-0.5
6,452.0	1.23	264.85	6,440.5	-197.4	137.1	0.16	0.10	6.14	5.2	-1.1
6,545.0	1.32	263.18	6,533.4	-197.7	135.0	0.10	0.10	-1.80	3.1	-1.0
6,639.0	1.32	266.17	6,627.4	-197.9	132.9	0.07	0.00	3.18	0.9	-1.1
6,733.0	1.32	274.34	6,721.4	-197.8	130.7	0.20	0.00	8.69	-1.4	-1.1
6,827.0	1.32	273.73	6,815.4	-197.7	128.5	0.01	0.00	-0.65	-3.5	-1.1
6,920.0	1.32	284.98	6,908.3	-197.3	126.4	0.28	0.00	12.10	-5.8	-0.2
7,014.0	1.06	172.65	7,002.3	-197.9	125.5	2.11	-0.28	-119.50	1.9	-6.3
7,108.0	1.23	181.18	7,096.3	-199.8	125.6	0.26	0.18	9.07	-0.9	-6.4
7,201.0	1.06	175.12	7,189.3	-201.7	125.6	0.22	-0.18	-6.52	-2.1	-6.6
7,294.0	1.23	173.71	7,282.3	-203.5	125.8	0.19	0.18	-1.52	-3.8	-6.6
7,388.0	1.32	158.33	7,376.3	-205.5	126.3	0.38	0.10	-16.36	-4.0	-7.7
7,482.0	1.67	147.87	7,470.2	-207.7	127.5	0.47	0.37	-11.13	-4.9	-8.5
7,575.0	1.58	148.40	7,563.2	-209.9	128.9	0.10	-0.10	0.57	-7.7	-8.4
7,669.0	1.85	162.28	7,657.1	-212.5	130.0	0.53	0.29	14.77	-12.2	-6.0
7,762.0	1.67	162.02	7,750.1	-215.2	130.9	0.19	-0.19	-0.28	-15.0	-6.1
7,856.0	1.49	157.36	7,844.1	-217.6	131.8	0.24	-0.19	-4.96	-17.1	-7.4



Midland PVA

Company:	EOG Resources - Midland
Project:	Lea County, NM (NAD 83 NME)
Site:	Python 35 State
Well:	#506H
Wellbore:	OH
Design:	OH
Local Co-ordinate Reference:	
TVD Reference:	KB = 25 @ 3564.0usft (H&P 642)
MD Reference:	KB = 25 @ 3564.0usft (H&P 642)
North Reference:	Grid
Survey Calculation Method:	Minimum Curvature
Database:	EDM

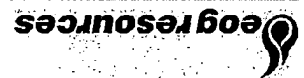
Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	Dleg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
	7,949.0	1.41	179.07	7,937.0	-219.9	132.2	0.59	-0.09	23.34	-20.9	-0.1
	8,043.0	1.58	199.55	8,031.0	-222.3	131.8	0.59	0.18	21.79	-22.0	7.6
	8,135.0	1.23	204.30	8,123.0	-224.4	131.0	0.40	-0.38	5.16	-23.5	9.5
	8,229.0	1.32	198.41	8,217.0	-226.3	130.2	0.17	0.10	-6.27	-26.5	7.0
	8,322.0	1.85	200.08	8,309.9	-228.7	129.4	0.57	0.57	1.80	-28.8	7.8
	8,416.0	2.02	213.08	8,403.9	-231.5	128.0	0.50	0.18	13.83	-29.5	14.4
	8,509.0	2.20	225.30	8,496.8	-234.2	125.8	0.62	0.19	13.14	-29.1	20.6
	8,603.0	2.11	233.91	8,590.7	-236.5	123.1	0.36	-0.10	9.16	-29.2	25.0
	8,698.0	2.20	241.03	8,683.7	-238.3	120.2	0.30	0.10	7.66	-29.4	28.7
	8,789.0	2.81	243.41	8,776.6	-240.2	116.6	0.67	0.66	2.56	-32.2	30.0
	8,883.0	2.80	244.81	8,870.5	-242.3	112.4	0.12	0.10	1.49	-36.2	30.8
	8,977.0	1.41	246.93	8,964.4	-242.7	109.2	2.47	-1.59	65.45	-0.5	49.3
	9,069.0	2.11	301.15	9,056.4	-241.4	106.7	0.77	0.76	4.59	0.3	49.3
	9,162.0	2.37	278.74	9,149.3	-240.2	103.4	0.98	0.28	-24.10	-22.0	45.1
	9,256.0	2.55	286.74	9,243.2	-239.3	99.4	0.41	0.19	8.51	-19.6	48.0
	9,294.0	2.20	287.35	9,281.2	-238.8	97.9	0.92	-0.92	1.61	-20.6	48.2
	9,481.0	1.32	294.56	9,468.1	-236.9	92.5	0.48	-0.47	3.86	-20.1	50.8
	9,575.0	1.88	288.67	9,562.1	-236.0	90.3	0.32	0.28	-6.27	-27.6	48.4
	9,668.0	1.85	273.90	9,655.0	-235.5	87.6	0.55	0.29	-15.88	-41.8	39.4
	9,761.0	1.67	269.77	9,748.0	-235.4	84.8	0.24	-0.19	-4.44	-47.4	36.2
	9,854.0	1.67	261.80	9,840.9	-235.6	82.1	0.26	0.00	-8.78	-54.7	28.9
	9,948.0	1.88	266.26	9,934.9	-235.9	79.4	0.17	-0.10	4.96	-54.9	33.4
	10,041.0	1.76	259.40	10,027.8	-236.2	76.7	0.28	0.19	-7.38	-61.2	26.4
	10,135.0	1.76	250.26	10,121.8	-237.0	74.0	0.30	0.00	-9.72	-67.5	16.1
	10,165.0	2.06	341.95	10,151.8	-236.6	73.4	9.16	1.00	305.65	17.6	67.4
KOP, MD:10165.0, TVD:10151.8, N/S:-236.6, E/W:73.4, INC:2.06											
	10,229.0	7.47	11.64	10,214.6	-231.5	73.8	9.16	8.59	47.12	43.4	50.6



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3564.0usft (H&P 642)
Site:	Python 36 State	MD Reference:	KB = 25 @ 3564.0usft (H&P 642)
Well:	#506H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
10,295.5	18.45	7.20	10,280.3	-216.6	76.1	16.31	16.26	-6.58	23.5	53.7
KOP (Python 36 State #506H)										
10,321.0	22.60	6.63	10,304.1	-207.7	77.1	16.31	16.30	-2.23	15.0	53.6
10,415.0	32.80	9.94	10,387.2	-164.6	83.6	10.97	10.85	3.52	-11.8	50.9
10,443.4	34.66	9.35	10,410.9	-149.0	86.3	6.63	6.53	-2.07	-20.9	49.5
FTP Crossing, MD:10443.4, TVD:10410.9, N/S:-149.0, EW:86.3, INC:34.66										
10,509.0	38.95	8.18	10,463.4	-110.2	92.2	6.63	6.55	-1.79	-39.3	45.0
10,528.7	39.48	7.29	10,478.7	-97.8	93.9	3.90	2.67	-4.49	-44.3	43.0
FTP (Python 36 State #506H)										
10,571.0	40.63	5.46	10,511.0	-70.8	96.9	3.90	2.73	-4.34	-52.2	38.7
10,601.0	43.44	3.44	10,533.3	-50.8	98.5	10.39	9.37	-6.73	-56.4	35.5
10,664.0	46.69	3.61	10,577.8	-6.3	101.2	5.16	5.16	0.27	-59.4	32.2
10,758.0	55.49	0.01	10,636.8	66.7	103.4	9.82	9.36	-3.83	-57.0	26.9
10,851.0	63.31	0.01	10,684.1	146.7	103.4	8.41	8.41	0.00	-46.1	26.4
10,945.0	69.29	359.48	10,721.9	232.8	103.0	6.38	6.36	-0.56	-26.4	26.2
11,039.0	79.84	358.43	10,746.8	323.2	101.3	11.27	11.22	-1.12	-4.4	26.8
11,132.0	87.32	0.62	10,757.2	415.6	100.6	8.38	8.04	2.35	5.4	26.9
11,226.0	87.05	359.66	10,761.8	509.5	100.8	1.06	-0.29	-1.02	9.4	25.9
11,319.0	90.57	0.80	10,763.8	602.4	101.2	3.98	3.78	1.23	10.8	24.9
11,319.8	90.58	0.80	10,763.8	603.2	101.2	0.67	0.66	-0.10	10.8	24.9
TGT#1 (Python 36 State #506H)										
11,413.0	91.19	0.71	10,762.3	696.4	102.4	0.67	0.66	-0.10	8.8	22.9
11,507.0	90.66	359.48	10,760.8	790.4	102.6	1.42	-0.56	-1.31	6.8	22.1
11,600.0	91.01	3.08	10,759.5	883.3	104.7	3.89	0.38	3.87	5.0	19.3
11,693.0	91.01	2.91	10,757.8	976.2	109.5	0.18	0.00	-0.18	2.9	13.8
11,787.0	90.66	3.26	10,756.4	1,070.0	114.6	0.53	-0.37	0.37	1.2	8.0
11,880.0	90.22	3.17	10,755.7	1,162.9	119.8	0.48	-0.47	-0.10	0.3	2.1



Midland PVA

Company:	EOG Resources - Midland
Project:	Lea County, NM (NAD 83 NME)
Site:	Python 36 State
Well:	#506H
Wellbore:	OH
Design:	OH

Local Co-ordinate Reference:	Well #506H
TVD Reference:	KB = 25 @ 3564.0usft (H&P 642)
North Reference:	Gird
Survey Calculation Method:	(Minimum Curvature
Database:	EDM

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	Dleg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
	11,973.0	89.60	2.91	10,755.9	1,255.8	124.7	0.72	-0.67	-0.28	0.2	-3.5
	12,067.0	89.43	3.52	10,756.7	1,349.6	130.0	0.67	-0.16	0.65	0.8	-9.5
	12,160.0	89.60	0.89	10,757.5	1,442.5	133.6	2.83	0.18	-2.83	1.5	-13.7
	12,254.0	90.22	0.71	10,757.6	1,536.5	134.9	0.69	0.66	-0.19	1.7	-15.7
	12,347.0	89.87	0.71	10,757.5	1,629.5	136.0	0.38	-0.38	0.00	1.6	-17.6
	12,440.0	88.46	0.54	10,758.9	1,722.5	137.1	1.53	-1.52	-0.18	3.0	-19.3
	12,534.0	88.29	359.83	10,761.6	1,816.5	137.4	0.78	-0.18	-0.76	5.8	-20.3
	12,627.0	90.48	358.78	10,762.6	1,909.4	136.2	2.61	2.35	-1.13	7.0	-19.9
	12,721.0	90.04	358.51	10,762.1	2,003.4	134.0	0.55	-0.47	-0.29	6.8	-18.3
	12,814.0	91.01	358.87	10,761.3	2,096.4	131.9	1.11	1.04	0.39	6.3	-16.9
	12,908.0	91.28	358.69	10,759.4	2,190.3	129.9	0.35	0.29	-0.19	4.8	-15.6
	13,001.0	91.36	357.63	10,757.3	2,283.3	126.9	1.14	0.09	-1.14	3.1	-13.3
	13,094.0	91.36	357.37	10,755.1	2,376.2	122.8	0.28	0.00	-0.28	1.3	-9.9
	13,187.0	91.10	356.84	10,753.1	2,469.0	118.1	0.63	-0.28	-0.57	-0.1	-5.9
	13,280.0	91.04	356.98	10,752.5	2,498.5	116.6	0.51	-0.19	0.47	-0.5	-4.5
TGT#2 (Python 36 State #506H)											
	13,281.0	90.92	357.28	10,751.4	2,562.9	113.3	0.51	-0.19	0.47	-1.2	-1.8
	13,374.0	91.10	358.16	10,749.8	2,655.8	109.6	0.97	0.19	0.95	-2.3	1.2
	13,468.0	90.31	358.34	10,748.6	2,749.7	106.8	0.86	-0.84	-0.19	-3.0	3.4
	13,561.0	89.78	357.99	10,748.5	2,842.7	103.8	0.68	-0.57	-0.38	-2.7	5.7
	13,654.0	89.34	357.99	10,749.2	2,935.6	100.5	0.47	-0.47	0.00	-1.6	8.3
	13,747.0	88.64	358.16	10,750.9	3,028.6	97.4	0.77	-0.75	0.18	0.4	10.7
	13,842.0	86.97	356.93	10,754.5	3,123.4	93.3	2.18	-1.76	-1.29	4.3	14.1
	13,936.0	88.72	359.04	10,758.1	3,217.3	90.0	2.91	1.86	2.24	8.0	16.7
	14,029.0	88.81	359.04	10,760.1	3,310.2	88.5	0.10	0.10	0.00	10.2	17.5
	14,123.0	88.55	358.95	10,762.2	3,404.2	86.8	0.29	-0.28	-0.10	12.5	18.5
	14,216.0	92.24	0.62	10,761.6	3,497.2	86.5	4.36	3.97	1.80	11.9	18.1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3564.0usft (H&P 642)
Site:	Python 36 State	MD Reference:	KB = 25 @ 3564.0usft (H&P 642)
Well:	#506H	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)
14,309.0	92.68	0.62	10,757.6	3,590.1	87.5	0.47	0.47	0.00	7.9	16.4
14,402.0	92.86	0.80	10,753.1	3,683.0	88.6	0.27	0.19	0.19	3.4	14.6
14,496.0	91.10	0.97	10,749.9	3,776.9	90.1	1.88	-1.87	0.18	0.1	12.4
14,589.0	90.48	0.45	10,748.6	3,869.9	91.2	0.87	-0.67	-0.56	-1.4	10.6
14,682.0	89.43	359.30	10,748.6	3,962.9	91.0	1.67	-1.13	-1.24	-1.5	10.1
14,776.0	89.34	358.87	10,749.7	4,056.9	89.5	0.47	-0.10	-0.46	-0.7	10.9
14,869.0	89.08	358.78	10,750.9	4,149.8	87.6	0.30	-0.28	-0.10	0.3	12.1
14,962.0	88.64	358.87	10,752.8	4,242.8	85.7	0.48	-0.47	0.10	1.8	13.3
15,056.0	91.80	359.30	10,752.4	4,336.8	84.2	3.39	3.36	0.46	1.0	14.1
15,149.0	91.71	359.30	10,749.6	4,429.7	83.1	0.10	-0.10	0.00	-2.3	14.6
15,242.0	91.71	358.60	10,746.8	4,522.7	81.4	0.75	0.00	-0.75	-5.5	15.6
15,335.0	91.98	357.90	10,743.8	4,615.6	78.5	0.81	0.29	-0.75	-9.0	17.7
15,429.0	91.45	358.07	10,741.0	4,709.5	75.2	0.59	-0.56	0.18	-12.5	20.3
15,522.0	90.75	357.99	10,739.2	4,802.4	72.0	0.76	-0.75	-0.09	-14.9	22.8
Last MWD Survey (MD=15522.0')										
15,638.6	90.75	357.99	10,737.7	4,916.9	67.9	0.00	0.00	0.00	-17.3	26.1
PBHL (Python 36 State #506H)										
15,639.0	90.75	357.99	10,737.7	4,919.3	67.9	0.00	0.00	0.00	-17.3	26.1
Projection to Bit (MD=15639.0')										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,165.0	10,151.8	-236.6	73.4	KOP, MD:10165.0', TVD:10151.8', N/S:-236.6', E/W:73.4', INC:2.06
10,443.4	10,410.9	-149.0	86.3	FTP Crossing, MD:10443.4', TVD:10410.9', N/S:-149.0', E/W:86.3', INC:34.66
15,522.0	10,739.2	4,802.4	72.0	Last MWD Survey (MD=15522.0')
15,639.0	10,737.7	4,919.3	67.9	Projection to Bit (MD=15639.0')



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #506H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3564.0usft (H&P 642)
Site:	Python 36 State	MD Reference:	KB = 25 @ 3564.0usft (H&P 642)
Well:	#506H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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

