

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 30-025-46605	² Pool Code 97964	³ Pool Name WC025 G07 S243225C; LOWER BONE SPRING <i>KZ</i>
⁴ Property Code 320555	⁵ Property Name PYTHON 36 STATE COM	⁶ Well Number 502H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3557'

¹⁰Surface Location

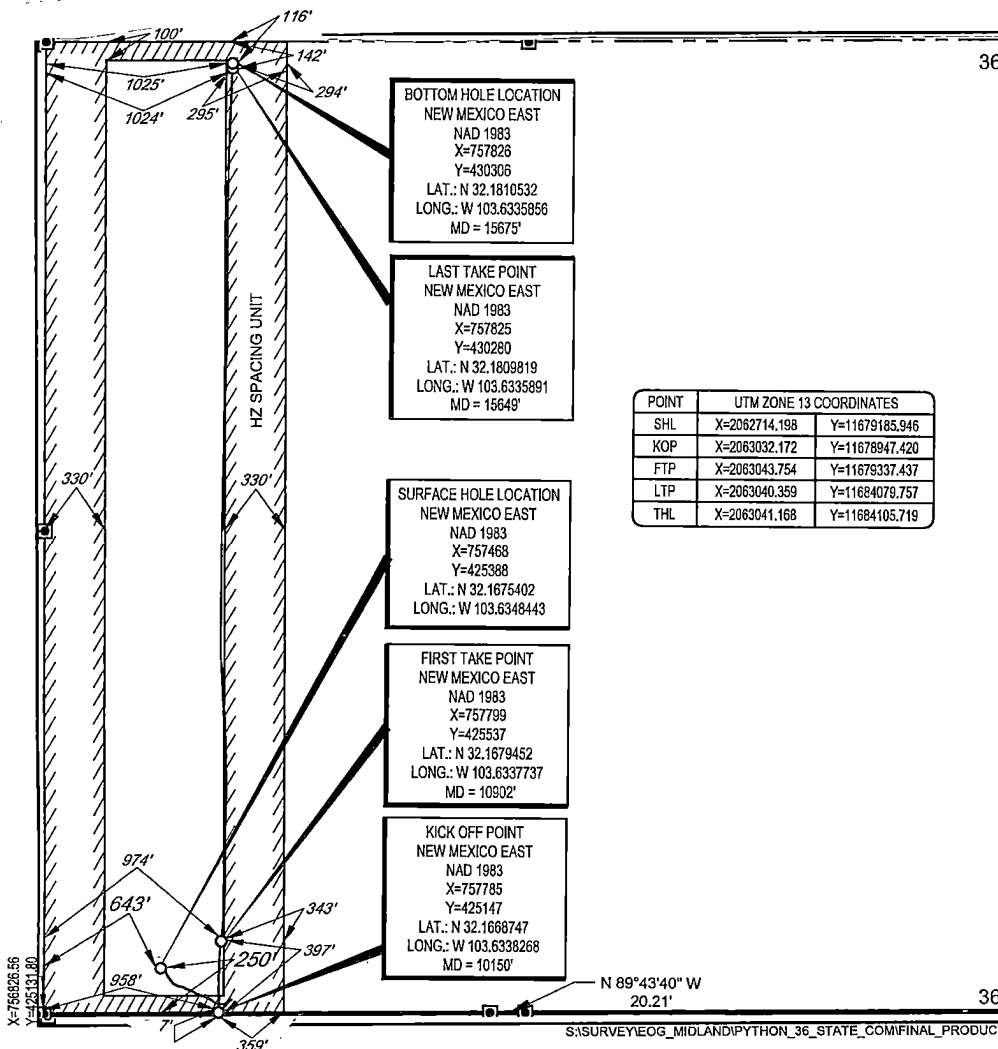
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	24-S	32-E	-	250'	SOUTH	643'	WEST	LEA

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
D	36	24-S	32-E	-	116'	NORTH	1025'	WEST	LEA

¹² Dedicated Acres 160.00	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.



36

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 10/14/2020
Signature Date

KAY MADDOX

Printed Name

kay_maddox@eogresources.com

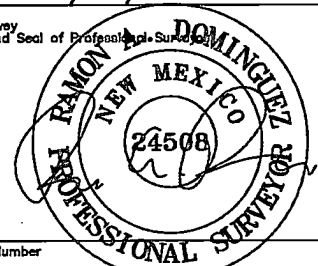
E-mail Address

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.

06/22/2019

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number

36

Intent ☐ As Drilled ☒ XXX

API #
30-025-46605

Operator Name: EOG RESOURCES, INC	Property Name: PYTHON 36 STATE COM	Well Number 502H
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Kick Off Point (KOP)

UL M	Section 36	Township 24S	Range 32E	Lot	Feet 7	From N/S SOUTH	Feet 958	From E/W WEST	County LEA
Latitude 32.1668747					Longitude 103.6338268			NAD 1983	

First Take Point (FTP)

UL M	Section 36	Township 24S	Range 32E	Lot	Feet 397	From N/S SOUTH	Feet 974	From E/W WEST	County LEA
Latitude 32.1679452					Longitude 103.6337737			NAD 1983	

Last Take Point (LTP)

UL D	Section 36	Township 24S	Range 32E	Lot	Feet 142	From N/S NORTH	Feet 1024	From E/W WEST	County LEA
Latitude 32.1809819					Longitude 103.6335891			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
--------------------------------------	----------------	-------------

KZ 06/29/2018



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Python 36 State Com

#502H

OH

Design: OH

Midland PVA

02 February, 2020



Midland PVA

Company:	EOG Resources - Midland		Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)		TVD Reference:	KB = 25 @ 3582.0usft
Site:	Python 36 State Com		MD Reference:	KB = 25 @ 3582.0usft
Well:	#502H		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 Com			
Site Position:		Northing:	425,448.00 usft
From:	Map	Easting:	757,528.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 3.739 N
		Longitude:	103° 38' 4.742 W
		Grid Convergence:	0.37 °

Well: #502H			
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:
			3,557.0 usft

Wellbore: OH			
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	2/3/2020	(°)
			6.69
			Dip Angle
			(°)
			59.97
			Field Strength
			(nT)
			47,626.59840080

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
			(°)
			3.74

Survey Program			
	Date	2/2/2020	
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		Description
150.0	15,675.0	Gyrodata MWD (OH)	EOG MWD+IFR1
			MWD + IFR1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3582.0usft
Site:	Python 36 State Com	MD Reference:	KB = 25 @ 3582.0usft
Well:	#502H	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)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
150.0	0.51	48.42	150.0	0.4	0.5	0.34	0.34	0.00	-0.7	0.0
336.0	0.65	72.27	336.0	1.3	2.1	0.15	0.08	12.82	-2.4	0.6
511.0	0.76	76.34	511.0	1.9	4.2	0.07	0.06	2.33	-4.5	0.8
684.0	0.71	100.69	684.0	2.0	6.4	0.18	-0.03	14.08	-5.9	3.1
876.0	0.74	118.16	875.9	1.2	8.6	0.12	0.02	9.10	-7.1	5.1
1,065.0	1.20	128.02	1,064.9	-0.6	11.3	0.26	0.24	5.22	-9.3	6.4
1,159.0	1.18	142.88	1,158.9	-2.0	12.6	0.33	-0.02	15.81	-9.2	8.8
1,348.0	5.13	135.65	1,347.6	-9.6	19.7	2.10	2.09	-3.83	-17.0	6.3
1,536.0	4.69	164.72	1,534.9	-23.0	27.6	1.33	-0.23	15.46	-15.7	6.7
1,725.0	8.45	144.05	1,722.7	-41.7	37.8	2.32	1.99	-10.94	-20.2	-10.1
1,914.0	8.03	149.93	1,909.7	-64.4	52.6	0.50	-0.22	3.11	-31.1	-16.5
2,102.0	8.46	127.68	2,095.8	-84.2	70.1	1.70	0.23	-11.84	-29.2	-34.7
2,291.0	8.70	102.55	2,282.8	-95.8	95.1	1.97	0.13	-13.30	-19.9	-43.8
2,479.0	6.21	112.50	2,469.2	-102.8	118.3	1.49	-1.32	5.29	-31.9	-34.9
2,668.0	6.22	110.22	2,657.1	-110.3	137.4	0.13	0.01	-1.21	-31.4	-33.2
2,857.0	5.03	112.74	2,845.1	-117.0	154.6	0.64	-0.63	1.33	-31.7	-29.0
3,047.0	4.66	112.15	3,034.5	-123.1	169.5	0.20	-0.19	-0.31	-27.8	-26.8
3,236.0	3.97	115.45	3,222.9	-128.9	182.5	0.39	-0.37	1.75	-23.8	-23.2
3,424.0	5.67	118.62	3,410.3	-136.1	196.5	0.91	0.90	1.69	-21.1	-21.1
3,612.0	4.18	112.59	3,597.6	-143.2	211.0	0.84	-0.79	-3.21	-15.4	-21.8
3,801.0	5.34	107.69	3,785.9	-148.5	225.7	0.65	0.61	-2.59	-9.8	-19.5
3,990.0	5.49	113.28	3,974.1	-154.7	242.4	0.29	0.08	2.96	-9.8	-15.4
4,179.0	4.56	114.24	4,162.3	-161.4	257.6	0.49	-0.49	0.51	-6.9	-13.2
4,368.0	5.10	115.71	4,350.7	-168.1	272.0	0.29	0.29	0.78	-3.5	-11.4
4,557.0	5.37	128.35	4,538.9	-177.3	286.5	0.63	0.14	6.69	-3.4	-11.5
4,745.0	5.46	118.29	4,726.1	-187.0	301.3	0.51	0.05	-5.35	0.7	-12.9



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3582.0usft
Site:	Python 36 State Com.	MD Reference:	KB = 25 @ 3582.0usft
Well:	#502H	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)
4,787.0	4.90	112.95	4,767.9	-188.6	304.7	1.76	-1.33	-12.71	2.5	-12.5
4,921.0	4.00	109.10	4,901.5	-192.4	314.4	0.71	-0.67	-2.87	6.7	-10.1
5,109.0	7.32	95.88	5,088.5	-195.7	332.5	1.89	1.77	-7.03	6.6	-2.7
5,297.0	5.28	59.62	5,275.5	-192.6	351.9	2.32	-1.09	-19.29	-8.2	0.3
5,485.0	4.73	56.80	5,462.7	-184.0	365.8	0.32	-0.29	-1.50	-24.6	-0.5
5,674.0	2.56	44.30	5,651.4	-176.7	375.3	1.22	-1.15	-6.61	-35.7	-7.5
5,862.0	0.79	277.76	5,839.3	-173.5	376.9	1.65	-0.94	-67.31	28.5	-27.6
6,050.0	1.06	263.75	6,027.3	-173.5	373.9	0.19	0.14	-7.45	31.3	-20.2
6,238.0	1.10	274.57	6,215.2	-173.6	370.4	0.11	0.02	5.76	23.5	-25.4
6,427.0	2.47	74.57	6,404.2	-172.3	372.5	1.86	0.72	84.66	-33.1	16.5
6,615.0	2.28	73.63	6,592.0	-170.2	380.0	0.10	-0.10	-0.50	-41.1	15.9
6,804.0	1.05	91.13	6,781.0	-169.2	385.4	0.70	-0.65	9.26	-39.8	28.6
6,993.0	0.41	260.16	6,969.9	-169.3	386.4	0.77	-0.34	89.43	45.5	-20.2
7,181.0	0.73	264.35	7,157.9	-169.6	384.6	0.17	0.17	2.23	42.1	-23.4
7,369.0	0.72	256.63	7,345.9	-169.9	382.2	0.05	-0.01	-4.11	42.5	-17.7
7,394.7	0.74	253.05	7,371.6	-170.0	381.9	0.19	0.07	-13.94	43.2	-15.0
Brushy Top(Python 36 State #502H)										
7,557.0	0.91	234.86	7,533.9	-171.1	379.9	0.19	0.11	-11.21	43.4	-1.1
7,745.0	0.89	222.41	7,721.9	-173.0	377.6	0.10	-0.01	-6.62	39.7	7.9
7,934.0	1.20	213.59	7,910.8	-175.8	375.6	0.18	0.16	-4.67	34.6	13.7
8,123.0	1.31	210.30	8,099.8	-179.3	373.4	0.07	0.06	-1.74	29.6	15.6
8,311.0	1.89	218.55	8,287.7	-183.5	370.4	0.33	0.31	4.39	26.3	11.5
8,500.0	2.34	224.00	8,476.6	-188.8	365.7	0.26	0.24	2.88	20.3	9.2
8,689.0	2.48	224.51	8,665.4	-194.5	360.2	0.07	0.07	0.27	12.5	9.1
8,878.0	2.82	224.49	8,854.2	-200.7	354.1	0.18	0.18	-0.01	3.7	9.1
9,067.0	2.65	228.91	9,043.0	-206.9	347.5	0.14	-0.09	2.34	-4.6	9.1
9,255.0	2.16	236.09	9,230.8	-211.7	341.3	0.31	-0.26	3.82	-11.3	10.1



Midland PVA

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Well:	#502H	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)
9,444.0	2.55	235.76	9,419.7	-216.1	334.9	0.21	0.21	-0.17	-19.1	10.1
9,633.0	2.32	219.44	9,608.5	-221.4	329.0	0.38	-0.12	-8.63	-29.0	3.1
9,821.0	2.31	222.53	9,796.4	-227.1	324.0	0.07	-0.01	1.64	-36.4	4.9
10,011.0	2.86	207.66	9,986.2	-234.1	319.2	0.45	0.29	-7.83	-44.9	-5.6
10,093.0	2.88	202.63	10,068.1	-237.8	317.5	0.31	0.02	-6.13	-48.3	-9.7
10,136.0	2.56	204.24	10,111.0	-239.7	316.6	0.77	-0.74	3.74	-50.6	-8.3
10,150.0	1.15	223.78	10,125.0	-240.1	316.4	10.91	-10.08	139.55	-50.9	9.2
KOP, MD:10150.0, TVD:10125.0, N/S:-240.1, E/W:316.4, INC:1.15										
10,230.0	7.80	4.98	10,204.8	-235.3	316.3	10.91	8.31	176.50	41.5	25.2
10,324.0	16.73	8.93	10,296.6	-215.5	319.0	9.54	9.50	4.20	35.2	20.9
10,418.0	23.60	0.17	10,384.8	-183.3	321.2	7.96	7.31	-9.32	25.8	23.6
10,497.6	30.76	358.02	10,455.5	-147.0	319.8	9.30	9.00	-5.22	20.9	26.2
FTP Crossing, MD:10497.6, TVD:10455.5, N/S:-147.0, E/W:319.8, INC:30.76										
10,512.0	32.07	355.45	10,467.8	-139.5	319.2	9.30	9.07	-3.94	20.1	26.9
10,606.0	37.13	1.96	10,545.2	-86.2	318.2	6.66	5.38	6.93	22.5	25.6
10,701.0	44.88	1.09	10,616.8	-24.0	319.8	8.18	8.16	-0.92	26.3	24.0
FTP (Python 36 State #502H)										
10,795.0	59.73	2.08	10,674.1	50.2	322.0	15.82	15.80	1.05	26.9	21.4
10,889.0	72.44	6.62	10,712.2	135.7	328.6	14.22	13.52	4.83	19.9	14.0
10,943.0	83.18	7.40	10,723.6	188.0	335.1	19.94	19.89	1.44	11.0	7.9
10,984.0	89.97	4.66	10,726.0	228.6	339.4	17.85	16.56	-6.68	1.4	3.7
11,078.0	91.95	1.57	10,724.5	322.5	344.5	3.90	2.11	-3.29	-16.8	-1.8
11,173.0	92.09	0.83	10,721.1	417.4	346.4	0.79	0.15	-0.78	-22.6	-4.2
11,267.0	92.55	0.24	10,717.3	511.3	347.3	0.80	0.49	-0.63	-26.2	-5.5
11,362.0	93.25	359.41	10,712.5	606.2	347.0	1.14	0.74	-0.87	-30.7	-5.7
11,456.0	89.04	0.46	10,710.6	700.1	346.9	4.62	-4.48	1.12	-32.3	-6.0
11,551.0	89.89	0.40	10,711.5	795.1	347.6	0.90	0.89	-0.06	-31.2	-7.1



Midland PVA

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Well:	#502H	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)	Turri (°/100usft)	High to Plan (usft)	Right to Plan (usft)
11,645.0	91.47	1.44	10,710.4	889.1	349.2	2.01	1.68	1.11	-32.0	-9.0
11,740.0	91.53	359.73	10,707.9	984.1	350.1	1.80	0.06	-1.80	-34.2	-10.4
11,834.0	92.60	0.04	10,704.5	1,078.0	349.9	1.19	1.14	0.33	-37.3	-10.7
11,928.0	90.88	358.91	10,701.7	1,172.0	349.1	2.19	-1.83	-1.20	-39.9	-10.2
12,023.0	90.74	357.44	10,700.3	1,266.9	346.0	1.55	-0.15	-1.55	-41.0	-7.6
12,117.0	88.47	356.61	10,701.0	1,360.8	341.2	2.57	-2.41	-0.88	-40.1	-3.2
12,211.0	88.58	356.55	10,703.4	1,454.6	335.6	0.13	0.12	-0.06	-37.4	2.0
12,306.0	88.70	356.40	10,705.6	1,549.4	329.7	0.20	0.13	-0.16	-34.9	7.4
12,400.0	89.12	356.61	10,707.4	1,643.2	324.2	0.62	0.45	0.44	-32.8	12.6
12,494.0	89.58	356.79	10,708.5	1,737.0	318.9	0.49	0.49	-0.02	-31.5	17.4
12,588.0	90.48	359.97	10,708.4	1,831.0	316.3	3.52	0.96	3.38	-31.3	19.6
12,683.0	90.65	0.38	10,707.5	1,926.0	316.5	0.47	0.18	0.43	-31.9	18.9
12,777.0	91.02	0.10	10,706.1	2,020.0	316.9	0.49	0.39	-0.30	-33.0	18.1
12,838.9	91.37	359.96	10,704.8	2,081.8	317.0	0.61	0.57	-0.22	-34.2	17.8
TGT#1 (Python 36 State #502H)										
12,872.0	91.56	359.89	10,704.0	2,114.9	316.9	0.61	0.57	-0.22	-34.9	17.7
12,966.0	89.26	1.41	10,703.3	2,208.9	318.0	2.93	-2.45	1.62	-35.2	16.2
13,061.0	89.07	1.01	10,704.7	2,303.9	320.0	0.47	-0.20	-0.42	-33.5	13.8
13,155.0	89.24	0.55	10,706.1	2,397.9	321.3	0.52	0.18	-0.49	-31.8	12.1
13,250.0	89.83	0.90	10,706.9	2,492.8	322.5	0.72	0.62	0.37	-30.7	10.4
13,344.0	90.14	0.55	10,706.9	2,586.8	323.7	0.50	0.33	-0.37	-30.3	8.8
13,438.0	90.40	0.51	10,706.4	2,680.8	324.5	0.28	0.28	-0.04	-30.4	7.5
13,533.0	90.51	1.07	10,705.7	2,775.8	325.9	0.60	0.12	0.59	-30.8	5.8
13,627.0	90.86	0.80	10,704.5	2,869.8	327.4	0.56	0.48	-0.29	-31.7	3.8
13,721.0	91.39	0.37	10,702.6	2,963.8	328.3	0.65	0.46	-0.46	-33.3	2.5
13,816.0	90.54	1.34	10,701.0	3,058.7	329.8	1.36	-0.89	1.02	-34.5	0.6
13,910.0	91.41	0.84	10,699.4	3,152.7	331.6	1.07	0.93	-0.53	-35.8	-1.6



Midland PVA

Company:	EOG Resources - Midland					Local Co-ordinate Reference:		Well #502H			
Project:	Lea County, NM (NAD 83 NME)					TVD Reference:		KB = 25 @ 3582.0usft			
Site:	Python 36 State Com					MD Reference:		KB = 25 @ 3582.0usft			
Well:	#502H					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)	
14,005.0	89.69	1.67	10,698.4	3,247.7	333.6	2.01	-1.81	0.87	-36.4	-4.1	
14,099.0	90.08	1.27	10,698.6	3,341.7	336.0	0.59	0.41	-0.43	-35.8	-6.9	
14,194.0	90.68	0.82	10,698.0	3,436.6	337.8	0.79	0.63	-0.47	-36.1	-9.1	
14,288.0	91.78	0.75	10,696.0	3,530.6	339.1	1.17	1.17	-0.07	-37.8	-10.8	
14,382.0	91.50	358.82	10,693.3	3,624.6	338.7	2.07	-0.30	-2.05	-40.2	-10.9	
14,476.0	90.85	359.63	10,691.4	3,718.5	337.4	1.10	-0.69	0.86	-41.7	-10.0	
14,509.2	90.22	359.59	10,691.1	3,751.7	337.2	1.90	-1.89	-0.12	-41.9	-10.0	
TGT#2(Python 36 State #502H)											
14,570.0	89.07	359.52	10,691.4	3,812.5	336.7	1.90	-1.89	-0.12	-41.4	-9.8	
14,665.0	89.01	359.32	10,693.0	3,907.5	335.8	0.22	-0.06	-0.21	-39.6	-9.2	
14,759.0	90.25	359.72	10,693.6	4,001.5	335.0	1.39	1.32	0.43	-38.7	-8.9	
14,853.0	87.96	0.63	10,695.1	4,095.5	335.3	2.62	-2.44	0.97	-37.0	-9.6	
14,948.0	89.32	0.97	10,697.4	4,190.4	336.6	1.48	1.43	0.36	-34.5	-11.3	
15,042.0	89.97	1.02	10,697.9	4,284.4	338.2	0.69	0.69	0.05	-33.7	-13.4	
15,136.0	91.02	1.67	10,697.1	4,378.4	340.4	1.31	1.12	0.69	-34.3	-16.0	
15,231.0	89.92	1.59	10,696.3	4,473.4	343.1	1.16	-1.16	-0.08	-34.8	-19.1	
15,325.0	90.57	1.39	10,695.9	4,567.3	345.6	0.72	0.69	-0.21	-35.0	-22.0	
15,420.0	91.30	1.57	10,694.4	4,662.3	348.0	0.79	0.77	0.19	-36.3	-24.9	
15,514.0	91.70	2.35	10,691.9	4,756.2	351.3	0.93	0.43	0.83	-38.5	-28.5	
15,608.0	92.46	2.29	10,688.5	4,850.0	355.1	0.81	0.81	-0.06	-41.6	-32.8	
15,620.0	92.66	2.03	10,688.0	4,862.0	355.5	2.73	1.67	-2.17	-42.1	-33.3	
Last MWD Survey (MD=15620.0)											
15,675.0	92.66	2.03	10,685.4	4,916.9	357.5	0.00	0.00	0.00	-44.5	-35.5	
Projection to Bit (MD=15675.0) - PBHL (Python 36 State #502H)											



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3582.0usft
Site:	Python 36 State Com	MD Reference:	KB = 25 @ 3582.0usft
Well:	#502H	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)	
10,150.0	10,125.0	-240.1	316.4	KOP, MD:10150.0', TVD:10125.0', N/S:-240.1', E/W:316.4', INC:1.15
10,497.6	10,455.5	-147.0	319.8	FTP Crossing, MD:10497.6', TVD:10455.5', N/S:-147.0', E/W:319.8', INC:30.76
15,620.0	10,688.0	4,862.0	355.5	Last MWD Survey (MD=15620.0')
15,675.0	10,685.4	4,916.9	357.5	Projection to Bit (MD=15675.0')

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



Lea County, NM (NAD 83 NME)

Python 36 State Com #502H

Plan #1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #502H

KB = 25 @ 3582.0ust
Northing 425388.00 Easting 757468.00 Latitude 32° 10' 3.149 N Longitude 103° 38' 5.445 W

Azimuths to Grid North
True North: -0.37°
Magnetic North: 6.32°

Magnetic Field
Strength: 47626.6nT
Dip Angle: 59.97°
Date: 2/3/2020
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.32°
To convert a Magnetic Direction to a True Direction, Add 6.69° East
To convert a True Direction to a Grid Direction, Subtract 0.37°

SECTION DETAILS

MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
1499.9	6.00	119.73	1499.4	-7.8	13.6	2.00	119.73	-6.9	
5001.3	6.00	119.73	4981.6	-189.2	331.4	0.00	0.00	-167.2	
5301.3	0.00	0.00	5281.0	-197.0	345.0	2.00	180.00	-174.1	
10191.2	0.00	0.00	10170.9	-197.0	345.0	0.00	0.00	-174.1	
11092.8	90.16	359.74	10743.9	377.6	342.4	10.00	359.74	399.1	TGT#1(Python 36 State #502H)
12797.8	90.16	359.74	10739.0	2082.6	334.8	0.00	0.00	2100.0	TGT#2(Python 36 State #502H)
12800.0	90.21	359.74	10739.0	2084.7	334.7	2.00	0.00	2102.1	TGT#2(Python 36 State #502H)
14466.9	90.21	359.74	10733.0	3751.6	327.3	0.00	0.00	3765.0	TGT#2(Python 36 State #502H)
14469.8	90.15	359.74	10733.0	3754.6	327.2	2.00	-180.00	3767.9	TGT#2(Python 36 State #502H)
15638.3	90.15	359.74	10730.0	4923.0	322.0	0.00	0.00	4933.5	PBHL(Python 36 State #502H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Brushy Top(Python 36 State #502H)	7371.0	-197.9	345.0	425191.00	757813.00
PBHL(Python 36 State #502H)	10730.0	423.0	322.0	430111.00	757790.00
TGT#1(Python 36 State #502H)	10733.0	3751.6	327.3	429110.00	757795.26
TGT#2(Python 36 State #502H)	10739.0	2082.6	334.8	427470.60	757802.76
FTP(Python 36 State #502H)	10745.0	-147.0	345.0	428241.00	757813.00

CASING DETAILS

No casing data is available

