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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 30-025-46604	² Pool Code 97964	³ Pool Name WC025 G07 S243225C; LOWER BONE SPRING
⁴ Property Code 32055	⁵ Property Name PYTHON 36 STATE COM	⁶ Well Number 501H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3557'

¹⁰Surface Location

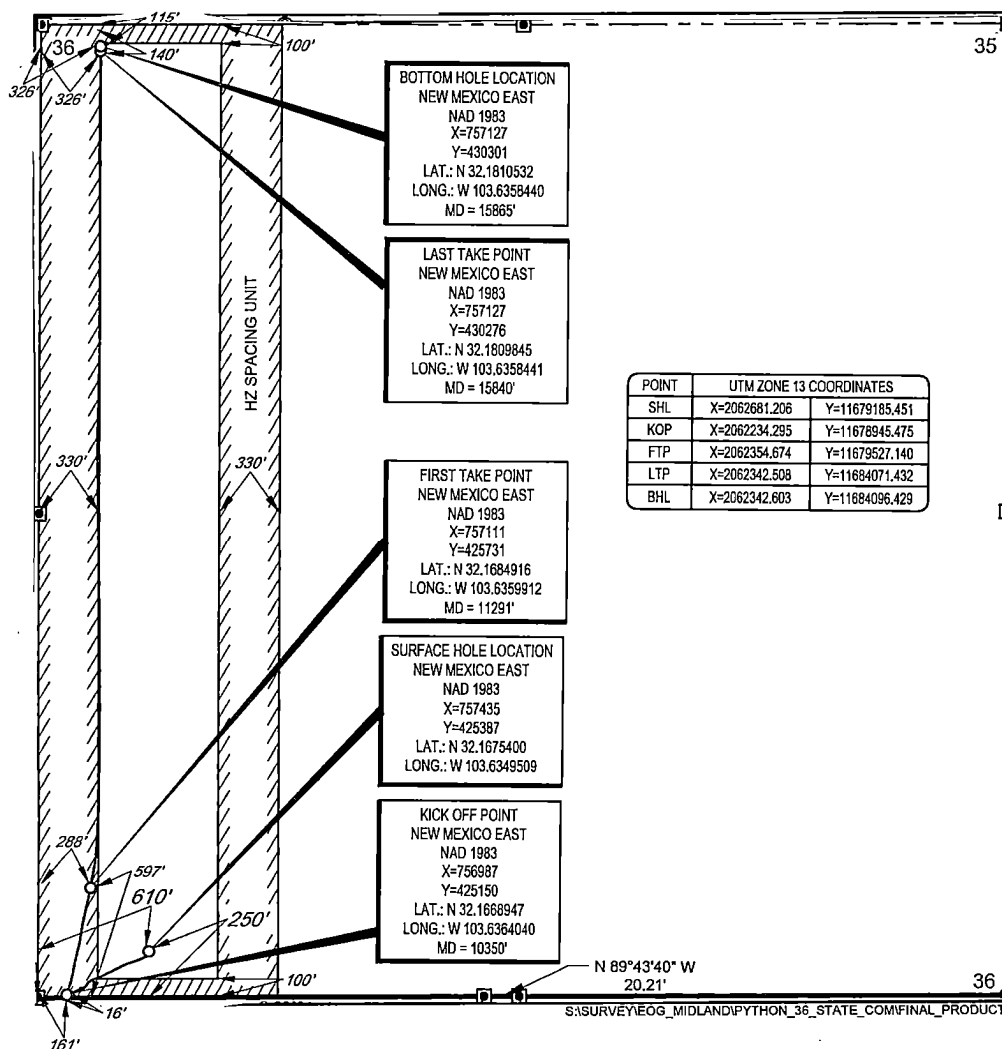
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	36	24-S	32-E	-	250'	SOUTH	610'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	24-S	32-E	-	115'	NORTH	326'	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.

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

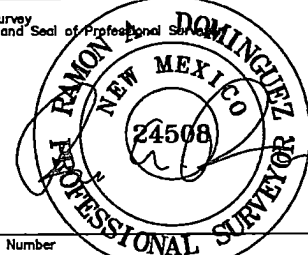
E-mail Address

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

Intènt ☐ As Drilled ☐ XXX

API #
30-025-46604

Operator Name:
EOG RESOURCES, INC

Property Name:
PYTHON 36 STATE COM

Well Number
501H

Kick Off Point (KOP)

UL M	Section 36	Township 24S	Range 32E	Lot	Feet 16	From N/S SOUTH	Feet 161	From E/W WEST	County LEA
Latitude 32.1668947					Longitude 103.6364040				NAD 1983

First Take Point (FTP)

UL M	Section 36	Township 24S	Range 32E	Lot	Feet 597	From N/S SOUTH	Feet 288	From E/W WEST	County LEA
Latitude 32.1684916					Longitude 103.6359912				NAD 1983

Last Take Point (LTP)

UL D	Section 36	Township 24S	Range 32E	Lot	Feet 140	From N/S NORTH	Feet 326	From E/W WEST	County LEA
Latitude 32.1809845					Longitude 103.6358441				NAD 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 #
30-025-46605

Operator Name:
EOG RESOURCES, INC

Property Name:
PYTHON 36 STATE COM

Well Number
502H

KZ 06/29/2018



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Python 36 State Com

#501H

OH

Design: OH

Midland PVA

13 February, 2020



EOG Resources
Midland PVA

Company:	EOG Resources - Midland			Local Co-ordinate Reference:	Well #501H
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:	#501H			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	Latitude:	32° 10' 3.739 N
From:	Map	Easting:	757,528.00 usft	Longitude:	103° 38' 4.742 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.37 "

Well	#501H					
Well Position	+N-S	0.0 usft	Northing:	425,387.00 usft	Latitude:	32° 10' 3.142 N
	+E-W	0.0 usft	Easting:	757,435.00 usft	Longitude:	103° 38' 5.829 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,557.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/21/2020	6.70	59.97	47,630.23277710

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	356.46	

Survey Program	Date	2/13/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
155.0	15,865.0	Gyrodata (OH)	EOG MWD+IFR1	MWD + IFR1	



EOG Resources
Midland PVA

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Site:	Python 36 State Com	MD Reference:	KB = 25 @ 3582.0usft
Well:	#501H	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
155.0	1.07	229.65	155.0	-0.9	-1.1	0.69	0.69	0.00	-1.4	0.0
336.0	1.00	210.30	336.0	-3.4	-3.2	0.20	-0.04	-10.69	-4.5	-1.0
511.0	0.84	204.45	510.9	-5.9	-4.5	0.11	-0.09	-3.34	-7.2	-1.7
684.0	0.76	179.48	683.9	-8.2	-5.0	0.20	-0.05	-14.43	-8.1	-5.1
876.0	0.92	150.56	875.9	-10.8	-4.2	0.23	0.08	-15.06	-7.3	-9.0
1,065.0	1.48	152.82	1,064.9	-14.3	-2.4	0.30	0.30	1.20	-11.6	-8.6
1,079.0	1.46	153.31	1,078.9	-14.6	-2.2	0.17	-0.14	3.50	-12.1	-8.5
1,159.0	1.39	147.80	1,158.8	-16.3	-1.2	0.19	-0.09	-6.89	-13.2	-9.8
1,348.0	2.18	231.38	1,347.8	-20.5	-2.8	1.30	0.42	44.22	-11.3	15.1
1,536.0	6.75	246.29	1,535.1	-27.2	-15.7	2.49	2.43	7.93	-5.7	17.6
1,631.0	8.11	246.93	1,629.3	-32.1	-27.0	1.43	1.43	0.67	-6.2	17.0
1,819.0	9.62	248.00	1,815.1	-43.2	-53.8	0.81	0.80	0.57	-12.1	15.6
2,008.0	8.82	247.99	2,001.7	-54.5	-81.9	0.42	-0.42	-0.01	-19.5	13.7
2,197.0	7.69	248.75	2,188.7	-64.5	-107.1	0.60	-0.60	0.40	-23.6	12.0
2,385.0	6.45	247.86	2,375.3	-73.1	-128.6	0.66	-0.66	-0.47	-24.1	9.7
2,574.0	5.90	245.72	2,563.2	-81.1	-147.3	0.32	-0.29	-1.13	-21.7	7.5
2,763.0	5.85	244.96	2,751.2	-89.1	-164.9	0.05	-0.03	-0.40	-18.2	6.5
2,952.0	6.49	243.54	2,939.1	-98.0	-183.1	0.35	0.34	-0.75	-15.6	5.7
3,142.0	7.18	243.25	3,127.7	-108.1	-203.4	0.36	0.36	-0.15	-15.1	5.7
3,330.0	8.27	246.45	3,314.0	-118.8	-226.2	0.62	0.58	1.70	-17.1	6.0
3,518.0	7.02	240.14	3,500.3	-129.9	-248.6	0.80	-0.66	-3.36	-19.8	3.9
3,707.0	5.41	244.97	3,688.2	-139.4	-266.7	0.89	-0.85	2.56	-16.8	5.9
3,896.0	5.74	248.49	3,876.3	-146.7	-283.6	0.25	0.17	1.86	-11.8	5.4
4,084.0	6.24	248.82	4,063.3	-153.8	-301.8	0.27	0.27	0.18	-8.5	3.4
4,273.0	3.34	231.89	4,251.6	-160.9	-315.8	1.69	-1.53	-8.96	-1.9	2.4
4,462.0	5.72	237.38	4,440.0	-169.4	-328.0	1.28	1.26	2.90	6.4	5.5



EOG Resources
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #501H
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:	#501H	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)	
4,557.0	5.16	212.85	4,534.6	-175.5	-334.3	2.50	-0.59	-25.82	4.9	11.6	
4,745.0	4.32	214.66	4,722.0	-188.5	-342.9	0.45	-0.45	0.96	9.9	22.7	
4,887.0	3.21	209.60	4,863.7	-196.3	-347.9	0.82	-0.78	-3.56	12.9	32.6	
5,011.0	6.16	244.14	4,987.3	-202.2	-355.6	3.19	2.38	27.85	34.7	21.4	
5,105.0	6.26	247.16	5,080.7	-206.4	-364.9	0.36	0.11	3.21	36.6	19.1	
5,293.0	6.70	246.76	5,267.5	-214.7	-384.4	0.24	0.23	-0.21	28.7	18.5	
5,387.0	4.04	243.51	5,361.1	-218.4	-392.4	2.85	-2.83	-3.46	20.9	19.8	
5,576.0	2.67	239.49	5,548.8	-223.5	-402.0	0.79	-0.78	-2.14	8.7	20.7	
5,764.0	2.90	241.24	5,737.6	-227.9	-409.8	0.18	0.17	0.93	0.3	20.6	
5,952.0	1.04	186.32	5,925.4	-231.9	-414.2	1.31	-0.99	-29.21	-21.1	8.2	
6,140.0	1.97	47.34	6,113.4	-231.4	-412.0	1.51	0.49	-73.93	8.6	-21.2	
6,329.0	2.30	52.02	6,302.3	-226.9	-406.6	0.20	0.17	2.48	-0.2	-21.5	
6,517.0	2.38	56.62	6,490.1	-222.4	-400.4	0.11	0.04	2.45	-9.5	-21.1	
6,706.0	1.67	49.02	6,679.0	-218.4	-395.0	0.40	-0.38	-4.02	-13.3	-22.7	
6,894.0	1.73	52.88	6,866.9	-214.9	-390.7	0.07	0.03	2.05	-20.4	-21.6	
7,083.0	1.57	60.52	7,055.8	-211.9	-386.2	0.14	-0.08	4.04	-28.5	-18.3	
7,271.0	1.60	45.31	7,243.8	-208.8	-382.1	0.22	0.02	-8.09	-27.8	-25.8	
7,358.4	1.54	50.78	7,331.1	-207.2	-380.3	0.19	-0.07	6.26	-32.5	-23.0	
Brushy Top (Python 36 State #501H)											
7,459.0	1.48	57.59	7,431.7	-205.7	-378.2	0.19	-0.06	6.77	-37.6	-18.8	
7,647.0	0.93	48.34	7,619.7	-203.4	-375.0	0.31	-0.29	-4.92	-38.1	-25.0	
7,836.0	1.10	50.40	7,808.6	-201.2	-372.4	0.09	0.09	1.09	-42.3	-23.5	
8,024.0	0.68	44.91	7,996.6	-199.2	-370.2	0.23	-0.22	-2.92	-42.8	-27.6	
8,213.0	0.44	108.87	8,185.6	-198.7	-368.8	0.33	-0.13	33.84	-44.8	27.3	
8,402.0	0.60	195.63	8,374.6	-199.9	-368.3	0.38	0.08	45.90	23.7	47.0	
8,591.0	0.92	198.13	8,563.6	-202.3	-369.1	0.17	0.17	1.32	23.2	46.0	
8,779.0	1.31	230.78	8,751.5	-205.1	-371.2	0.39	0.21	17.37	40.9	27.0	



EOG Resources
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #501H
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:	#501H	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)
8,968.0	1.77	240.31	8,940.5	-207.9	-375.4	0.28	0.24	5.04	39.8	20.2
9,159.0	2.47	264.26	9,131.3	-209.7	-382.1	0.58	0.37	12.54	37.8	3.5
9,346.0	3.06	237.19	9,318.1	-212.8	-390.3	0.76	0.32	-14.48	23.4	18.5
9,534.0	5.05	242.66	9,505.7	-219.4	-401.9	1.08	1.06	2.91	11.8	16.7
9,723.0	5.26	249.26	9,693.9	-226.3	-417.3	0.33	0.11	3.49	-3.3	16.1
9,912.0	4.43	239.36	9,882.2	-233.0	-431.7	0.62	-0.44	-5.24	-21.8	13.9
10,102.0	3.88	232.02	10,071.7	-240.7	-443.1	0.40	-0.29	-3.86	-37.1	10.0
10,262.0	1.65	255.64	10,231.5	-244.6	-449.6	1.54	-1.39	14.76	-37.3	26.2
10,324.0	7.14	18.81	10,293.4	-241.2	-449.2	13.16	8.85	198.66	38.9	17.7
10,350.0	9.03	16.74	10,319.1	-237.7	-448.1	7.34	7.26	-7.96	34.6	19.1
KOP, MD:10350.0, TVD:10319.1, N/S:-237.7, E/W:-448.1, INC:9.03										
10,418.0	13.99	13.96	10,385.7	-224.6	-444.6	7.34	7.30	-4.09	19.8	20.6
10,500.8	16.90	18.05	10,465.5	-203.5	-438.5	3.75	3.52	4.94	0.9	19.7
KOP(Python 36 State #501H)										
10,512.0	17.30	18.50	10,476.2	-200.3	-437.4	3.75	3.56	4.01	-1.3	19.8
10,606.0	24.12	15.77	10,564.1	-168.6	-427.8	7.33	7.26	-2.90	-20.0	21.2
10,701.0	34.73	11.61	10,646.8	-123.2	-417.0	11.37	11.17	-4.38	-38.3	25.0
10,795.0	39.40	11.98	10,721.7	-67.8	-405.4	4.97	4.97	0.39	-51.5	34.6
10,889.0	48.93	12.63	10,789.1	-3.9	-391.4	10.15	10.14	0.69	-59.2	47.2
10,933.6	51.86	11.14	10,817.5	29.7	-384.4	7.05	6.56	-3.34	-62.9	52.1
FTP (Python 36 State #501H)										
10,983.0	55.12	9.62	10,846.9	68.8	-377.2	7.05	6.60	-3.07	-65.5	56.9
11,077.0	60.24	10.65	10,897.2	146.9	-363.2	5.52	5.45	1.10	-62.5	63.1
11,172.0	67.99	11.71	10,938.6	230.7	-346.7	8.22	8.16	1.12	-54.5	59.4
11,257.2	77.72	11.08	10,963.7	310.4	-330.6	11.44	11.41	-0.74	-47.8	48.4
FTP Crossing, MD:11257.2, TVD:10963.7, N/S:310.4, E/W:-330.6, INC:77.72										
11,266.0	78.72	11.02	10,965.5	318.9	-329.0	11.44	11.42	-0.70	-47.2	46.9



EOG Resources
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #501H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3582.0usft
Site:	Python 36 State Corn	MD Reference:	KB = 25 @ 3582.0usft
Well:	#501H	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)
11,361.0	85.29	10.63	10,978.7	411.2	-311.3	6.93	6.92	-0.41	-38.2	29.2
11,456.0	90.99	6.52	10,981.8	505.1	-297.2	7.39	6.00	-4.33	-34.5	14.6
11,485.1	90.60	2.78	10,981.4	534.1	-294.8	12.90	-1.33	-12.83	-34.6	12.2
TGT#1(Python 36 State #501H)										
11,486.0	90.59	2.67	10,981.4	535.0	-294.8	12.90	-1.34	-12.83	-34.6	12.1
11,550.0	90.88	1.96	10,980.5	598.9	-292.2	1.20	0.45	-1.11	-34.8	9.2
11,645.0	90.93	2.20	10,979.0	693.8	-288.7	0.26	0.05	0.25	-35.4	5.3
11,739.0	89.80	1.29	10,978.4	787.8	-285.9	1.54	-1.20	-0.97	-35.0	2.0
11,833.0	89.69	1.63	10,978.9	881.8	-283.5	0.38	-0.12	0.36	-33.6	-0.8
11,928.0	89.55	1.38	10,979.5	976.7	-281.0	0.30	-0.15	-0.26	-32.1	-3.8
12,022.0	90.74	0.31	10,979.3	1,070.7	-279.6	1.70	1.27	-1.14	-31.4	-5.6
12,116.0	90.93	0.31	10,977.9	1,164.7	-279.1	0.20	0.20	0.00	-31.8	-6.6
12,210.0	91.13	359.93	10,976.2	1,258.7	-278.9	0.46	0.21	-0.40	-32.5	-7.3
12,305.0	89.92	359.63	10,975.3	1,353.7	-279.2	1.31	-1.27	-0.32	-32.4	-7.4
12,399.0	90.06	359.52	10,975.3	1,447.7	-279.9	0.19	0.15	-0.12	-31.5	-7.1
12,493.0	90.08	359.43	10,975.2	1,541.7	-280.8	0.10	0.02	-0.10	-30.7	-6.7
12,588.0	90.25	359.40	10,975.0	1,636.7	-281.8	0.18	0.18	-0.03	-30.0	-6.2
12,682.0	90.57	359.24	10,974.3	1,730.6	-282.9	0.38	0.34	-0.17	-29.7	-5.5
12,776.0	89.26	359.06	10,974.4	1,824.6	-284.3	1.41	-1.39	-0.19	-28.6	-4.6
12,871.0	89.72	358.82	10,975.3	1,919.6	-286.0	0.55	0.48	-0.25	-28.8	-3.3
12,965.0	90.11	358.87	10,975.4	2,013.6	-287.9	0.42	0.41	0.05	-25.7	-1.9
13,060.0	90.45	358.43	10,974.9	2,108.6	-290.2	0.59	0.36	-0.46	-25.2	-0.1
13,154.0	90.85	358.36	10,973.9	2,202.5	-292.8	0.43	0.43	-0.07	-25.4	2.1
13,249.0	91.27	358.65	10,972.1	2,297.5	-295.3	0.54	0.44	0.31	-26.2	4.1
13,343.0	89.09	358.96	10,971.8	2,391.4	-297.2	2.34	-2.32	0.33	-25.5	5.6
13,437.0	89.60	359.04	10,972.9	2,485.4	-298.9	0.55	0.54	0.09	-23.5	6.8
13,532.0	90.08	358.97	10,973.2	2,580.4	-300.5	0.51	0.51	-0.07	-22.3	7.9



EOG Resources
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #501H
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:	#501H	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)
13,626.0	90.54	358.80	10,972.6	2,674.4	-302.4	0.52	0.49	-0.18	-21.8	9.3
13,720.0	89.75	0.38	10,972.4	2,768.4	-303.0	1.88	-0.84	1.68	-21.1	9.5
13,814.0	90.06	0.76	10,972.6	2,862.4	-302.1	0.52	0.33	0.40	-20.0	8.1
13,909.0	90.40	0.41	10,972.2	2,957.4	-301.1	0.51	0.36	-0.37	-19.5	6.7
14,003.0	90.91	0.80	10,971.1	3,051.4	-300.1	0.68	0.54	0.41	-19.6	5.2
14,098.0	89.94	1.11	10,970.4	3,146.3	-298.6	1.07	-1.02	0.33	-19.3	3.2
14,192.0	90.31	0.60	10,970.2	3,240.3	-297.1	0.67	0.39	-0.54	-18.6	1.3
14,286.0	90.79	0.64	10,969.3	3,334.3	-296.1	0.61	0.51	0.04	-18.5	-0.1
14,381.0	89.72	359.64	10,968.9	3,429.3	-295.9	1.54	-1.13	-1.05	-18.0	-0.8
14,470.1	90.20	359.79	10,968.9	3,518.4	-296.3	0.57	0.54	0.17	-17.1	-0.8
TGT#2(Python 36 State #501H)										
14,475.0	90.23	359.80	10,968.9	3,523.3	-296.4	0.57	0.54	0.17	-17.0	-0.8
14,569.0	90.71	359.30	10,968.1	3,617.3	-297.1	0.74	0.51	-0.53	-17.5	-0.5
14,664.0	89.18	359.53	10,968.2	3,712.3	-298.1	1.63	-1.61	0.24	-17.1	0.0
14,758.0	89.72	359.42	10,969.1	3,806.3	-298.9	0.59	0.57	-0.12	-16.0	0.4
14,852.0	90.17	359.89	10,969.2	3,900.3	-299.5	0.69	0.48	0.50	-15.6	0.5
14,947.0	90.82	359.50	10,968.4	3,995.3	-300.0	0.80	0.68	-0.41	-16.2	0.5
15,041.0	89.55	358.89	10,968.1	4,089.3	-301.3	1.50	-1.35	-0.65	-16.2	1.4
15,135.0	90.03	358.58	10,968.5	4,183.3	-303.4	0.61	0.51	-0.33	-15.6	3.0
15,230.0	90.59	359.28	10,967.9	4,278.2	-305.2	0.94	0.59	0.74	-15.9	4.3
15,324.0	91.13	359.17	10,966.5	4,372.2	-306.4	0.59	0.57	-0.12	-17.0	5.1
15,419.0	89.86	0.17	10,965.7	4,467.2	-307.0	1.70	-1.34	1.05	-17.6	5.2
15,513.0	90.45	359.87	10,965.5	4,561.2	-307.0	0.70	0.63	-0.32	-17.6	4.7
15,607.0	91.05	0.03	10,964.2	4,655.2	-307.0	0.66	0.64	0.17	-18.5	4.3
15,701.0	91.47	359.66	10,962.2	4,749.2	-307.3	0.60	0.45	-0.39	-20.3	4.1
15,796.0	92.01	359.69	10,959.3	4,844.1	-307.8	0.57	0.57	0.03	-22.9	4.2
Last MWD Survey (MD=15796.0)										



EOG Resources
Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #501H
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:	#501H	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)
15,865.0	92.01	359.69	10,956.8	4,913.1	-308.2	0.00	0.00	0.00	-25.2	4.2
Projection to Bit (MD=15865.0) - PBHL (Python 36 State #501H)										

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,350.0	10,319.1	-237.7	-448.1	KOP, MD:10350.0', TVD:10319.1', N/S:-237.7', E/W:-448.1', INC:9.03
11,257.2	10,963.7	310.4	-330.6	FTP Crossing, MD:11257.2', TVD:10963.7', N/S:310.4', E/W:-330.6', INC:77.72
15,796.0	10,959.3	4,844.1	-307.8	Last MWD Survey (MD=15796.0')
15,865.0	10,956.8	4,913.1	-308.2	Projection to Bit (MD=15865.0')

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 #501H

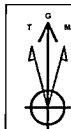
Plan #1

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: #501H

KB = 25 @ 3582.0ush 3557.0
Northing 425387.00 Easting 757435.00 Latitude 32° 10' 3.142 N Longitude 103° 38' 5.829 W



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

Magnetic Field
Strength: 47630.2nT
Dip Angle: 69.97°
Date: 12/12/2020
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.32°
To convert a Magnetic Direction to a True Direction, Add 6.70° East
To convert a True Direction to a Grid Direction, Subtract 6.37°

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	
1549.8	7.00	243.43	1548.9	-9.5	-19.1	2.00	243.43	-8.3	
5055.1	7.00	243.43	5028.1	-200.5	-400.9	0.00	0.00	-175.4	
5404.8	0.00	0.00	5377.0	-210.0	-420.0	2.00	180.00	-183.7	
10453.2	0.00	0.00	10425.4	-210.0	-420.0	0.00	0.00	-183.7	
10903.2	45.00	23.04	10830.5	-55.6	-354.3	10.00	23.04	-33.6	
11402.2	90.41	359.72	11017.1	384.4	-281.9	10.00	-31.17	401.0	TGT#1(Python 36 State #501H)
11551.4	90.41	359.72	11016.0	533.6	-282.6	0.00	0.00	550.0	
11559.5	90.58	359.72	11015.9	541.7	-282.6	2.00	-0.12	558.1	TGT#2(Python 36 State #501H)
14536.4	90.58	359.72	10986.0	3518.4	-297.2	0.00	0.00	3530.0	
14557.2	90.16	359.72	10985.9	3539.2	-297.3	2.00	180.00	3550.8	PBHL (Python 36 State #501H)
15937.0	90.16	359.72	10982.0	4919.0	-304.0	0.00	0.00	4928.4	

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
Brushy Top(Python 36 State #501H)	7332.0	-210.0	-420.0	425177.00	757016.00
PBHL (Python 36 State #501H)	10982.0	4919.0	-304.0	430306.00	757131.00
TGT#1(Python 36 State #501H)	10986.0	3518.4	-297.2	425905.40	757137.04
TGT#2(Python 36 State #501H)	11016.0	533.6	-282.6	425920.60	757152.41
FTP (Python 36 State #501H)	11020.0	-162.0	-279.0	425235.00	757156.00

