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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 30-025-46332		² Pool Code 98180		³ Pool Name WC025 G09 S253309P; UPR WOLFCAMP Kz	
⁴ Property Code 321651		⁵ Property Name SAVAGE 2 STATE COM			⁶ Well Number 702H
⁷ OGRID No. 7377		⁸ Operator Name EOG RESOURCES, INC.			⁹ Elevation 3520'

¹⁰Surface Location

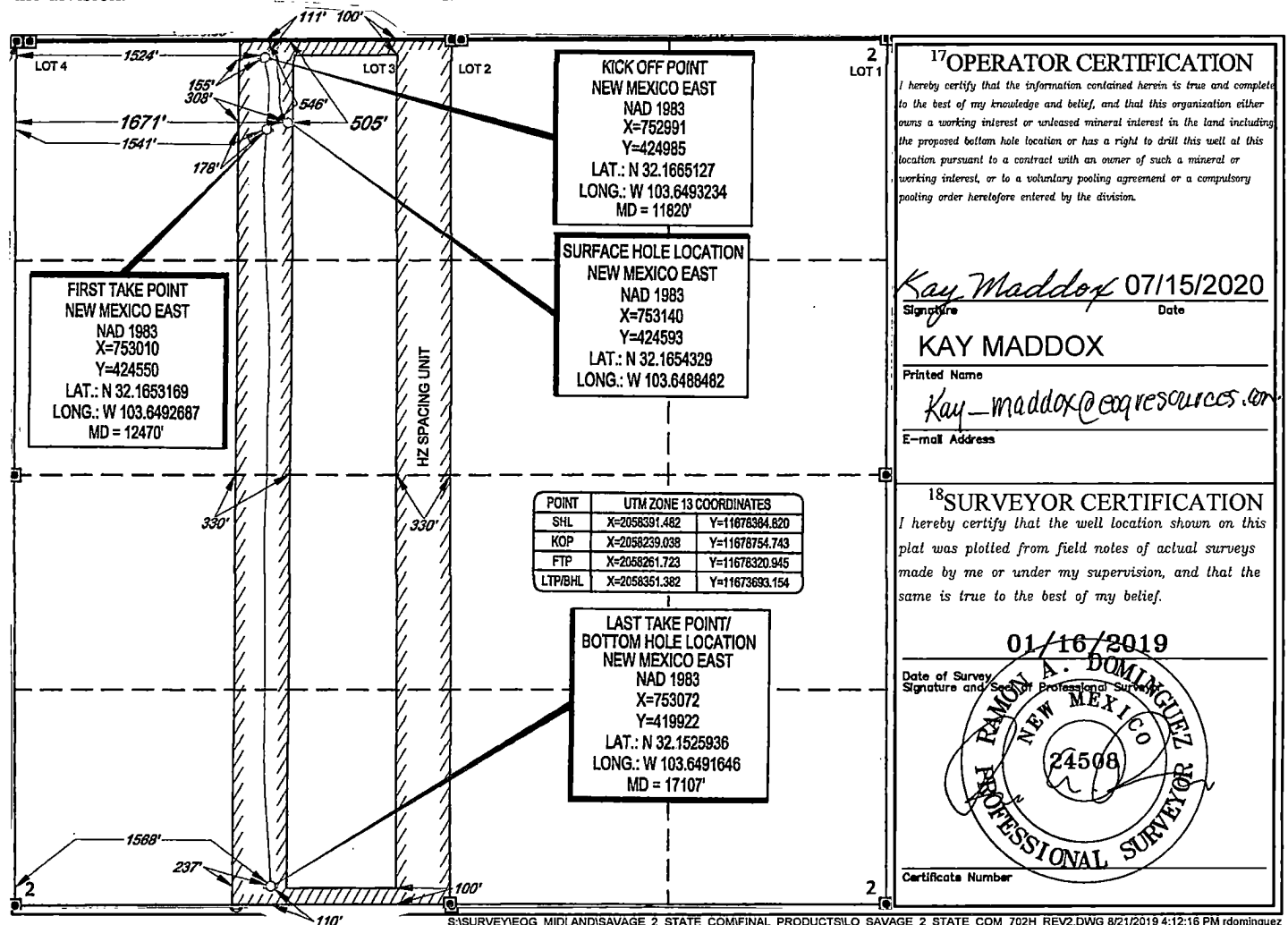
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	2	25-S	32-E	-	505'	NORTH	1671'	WEST	LEA

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
N	2	25-S	32-E	-	110'	SOUTH	1568'	WEST	LEA

¹² Dedicated Acres 160.19	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSL 7936	¹⁶ NSL-7936
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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.



Rec'd 7/15/2020 - NMOCD



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Savage 2 State Com

#702H

OH

Design: OH

Midland PVA

13 November, 2019



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3542.0usft
Site:	Savage 2 State Com	MD Reference:	KB = 22' @ 3542.0usft
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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

Site	Savage 2 State Com	Latitude:	32° 9' 54.412 N
Site Position:		Longitude:	103° 39' 10.929 W
From:	Map	Grid Convergence:	0.36 °
Position Uncertainty:	0.0 usft		

Well	#702H	Latitude:	32° 9' 55.558 N
Well Position	+N/-S +E/-W	Longitude:	103° 38' 55.854 W
Position Uncertainty	0.0 usft 0.0 usft 0.0 usft	Ground Level:	3,520.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Dip Angle
	IGRF2015	9/20/2019	59.97
		6.74	47,662.4006262

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Vertical Section:	Depth From (TVD)	Tie On Depth:	0.0
	(usft)	+N/-S	+E/-W
	0.0	(usft)	(usft)
		0.0	0.0
			181.30

Survey Program	Date	11/13/2019	
From	To	Survey (Wellbore)	Description
(usft)	(usft)		
171.0	17,107.0	Total Directional (OH)	OWSG MWD - Standard



Midland PVA

Company: EOG Resources - Midland		Local Co-ordinate Reference: Well #702H								
Project: Lea County, NM (NAD 83 NIME)		KB = 22' @ 3542.0usft								
Site: Savage 2 State Com		KB = 22' @ 3542.0usft								
Well: #702H		Grid								
Wellbore: OH		Minimum Curvature								
Design: OH		EDM								
Survey		Survey Calculation Method: Database								
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
171.0	0.60	320.90	171.0	0.7	-0.6	0.35	0.35	0.35	0.00	0.0
355.0	1.70	292.40	355.0	2.5	-3.7	0.66	0.60	-15.49	-4.4	-0.9
515.0	2.90	300.30	514.8	5.4	-9.4	0.77	0.75	4.94	-10.8	0.0
611.0	1.50	246.30	610.8	6.1	-12.6	2.45	-1.46	-56.25	-9.1	-10.7
801.0	2.20	183.30	800.7	1.5	-15.1	1.06	0.37	-33.16	0.6	-15.2
964.0	6.50	314.30	963.4	4.8	-21.9	4.98	2.64	80.37	-19.0	11.9
1,087.0	9.60	359.10	1,085.3	20.0	-27.1	5.49	2.52	36.42	-20.2	26.9
1,277.0	8.80	339.80	1,272.9	49.5	-32.3	1.67	-0.42	-10.16	-57.5	13.4
1,468.0	9.70	340.90	1,461.4	78.4	-42.6	0.48	0.47	0.58	-88.0	14.9
1,659.0	7.80	351.40	1,650.1	106.4	-49.8	1.30	-0.99	5.50	-112.6	33.7
1,849.0	7.10	357.90	1,838.5	130.9	-52.2	0.58	-0.37	3.42	-132.6	47.7
2,040.0	5.90	359.20	2,028.3	152.5	-52.8	0.63	-0.63	0.68	-153.1	50.9
2,230.0	4.20	359.30	2,217.6	169.2	-53.0	0.89	-0.89	0.05	-169.8	51.0
2,420.0	4.00	1.50	2,407.1	182.8	-52.9	0.13	-0.11	1.16	-173.5	56.3
2,611.0	4.00	1.40	2,597.6	196.1	-52.6	0.00	0.00	-0.05	-168.2	52.8
2,802.0	3.60	2.80	2,788.2	208.8	-52.1	0.21	-0.21	0.73	-159.9	53.4
2,993.0	3.20	2.20	2,978.9	220.1	-51.6	0.21	-0.21	-0.31	-152.1	48.1
3,183.0	2.70	359.50	3,168.6	229.9	-51.5	0.27	-0.26	-1.42	-144.2	38.1
3,374.0	2.50	334.60	3,359.4	238.1	-53.3	0.60	-0.10	-13.04	-136.1	-21.8
3,564.0	1.90	351.00	3,549.3	245.0	-55.5	0.45	-0.32	8.63	-124.0	18.9
3,755.0	5.80	349.90	3,739.8	257.6	-57.7	2.04	2.04	-0.58	-117.2	17.1
3,945.0	4.70	347.30	3,929.0	274.7	-61.1	0.59	-0.58	-1.37	-115.4	13.0
4,136.0	3.00	358.60	4,119.6	287.3	-63.0	0.97	-0.89	5.92	-103.5	34.6
4,326.0	3.90	343.80	4,309.2	298.5	-64.9	0.66	0.47	-7.79	-100.5	8.7
4,517.0	1.90	0.80	4,500.0	307.9	-66.7	1.13	-1.05	8.90	-83.2	36.5
4,708.0	4.00	2.80	4,690.7	317.7	-66.3	1.10	1.10	1.05	-72.1	35.7



Midland PVA

Company: EOG Resources - Midland		Local Co-ordinate Reference:				Well #702H				
Project: Lea County, NM (NAD 83 NME)		TVD Reference:				KB = 22' @ 3542.0usft				
Site: Savage 2 State Com		MD Reference:				KB = 22' @ 3542.0usft				
Well: #702H		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)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,898.0	4.90	358.80	4,880.1	332.4	-66.1	0.50	0.47	-2.11	-69.4	27.7
5,088.0	5.10	352.10	5,069.4	348.9	-67.5	0.32	0.11	-3.53	-68.8	18.5
5,279.0	4.80	346.90	5,259.7	365.1	-70.5	0.28	-0.16	-2.72	-66.7	13.3
5,469.0	4.60	343.40	5,449.1	380.1	-74.4	0.18	-0.11	-1.84	-63.3	11.7
5,660.0	6.20	2.60	5,639.2	397.8	-76.2	1.25	0.84	10.05	-53.9	30.6
5,851.0	5.10	359.30	5,829.3	416.6	-75.8	0.60	-0.58	-1.73	-54.6	24.4
6,041.0	4.70	355.50	6,018.6	432.8	-76.5	0.27	-0.21	-2.00	-52.4	19.0
6,232.0	5.10	349.40	6,208.9	448.9	-78.7	0.34	0.21	-3.19	-50.5	13.4
6,422.0	4.40	29.10	6,398.3	463.6	-76.7	1.73	-0.37	20.89	-28.3	35.8
6,613.0	2.80	25.40	6,588.9	474.2	-71.1	0.85	-0.84	-1.94	-26.5	23.0
6,803.0	0.80	127.40	6,778.8	477.6	-68.1	1.61	-1.05	53.68	21.1	19.1
6,994.0	0.80	191.70	6,969.8	475.5	-67.3	0.45	0.00	33.66	24.1	-9.4
7,184.0	0.70	188.80	7,159.8	473.0	-67.7	0.06	-0.05	-1.53	22.0	-8.2
7,221.6	0.85	195.21	7,197.4	472.5	-67.8	0.45	0.39	17.07	20.5	-10.6
Brushy Top(Savage 2 State Com #702H)										
7,375.0	1.50	207.50	7,350.8	469.7	-69.1	0.45	0.43	8.01	14.6	-14.5
7,565.0	1.80	234.50	7,540.7	465.7	-72.6	0.43	0.16	14.21	1.3	-18.4
7,756.0	2.10	221.70	7,731.6	461.4	-77.4	0.28	0.16	-6.70	-1.1	-18.3
7,947.0	2.10	219.30	7,922.5	456.1	-82.0	0.05	0.00	-1.26	-7.3	-18.5
8,137.0	2.10	201.90	8,112.3	450.1	-85.5	0.33	0.00	-9.16	-8.3	-20.9
8,328.0	2.40	198.90	8,303.2	443.1	-88.1	0.17	0.16	-1.57	-14.6	-21.5
8,518.0	2.60	200.00	8,493.0	435.3	-90.8	0.11	0.11	0.58	-23.3	-21.1
8,709.0	2.40	194.60	8,683.8	427.3	-93.3	0.16	-0.10	-2.83	-29.6	-23.6
8,899.0	2.70	196.10	8,873.6	419.2	-95.6	0.16	0.16	0.79	-38.6	-22.8
9,090.0	2.30	197.50	9,064.5	411.2	-98.0	0.21	-0.21	0.73	-47.5	-21.7
9,280.0	1.80	191.40	9,254.3	404.7	-99.7	0.29	-0.26	-3.21	-51.7	-27.0
9,471.0	1.30	201.10	9,445.3	399.7	-101.1	0.29	-0.26	5.08	-60.6	-17.4



Midland PVA

Company: EOG Resources - Midland				Local Co-ordinate Reference:				Well #702H			
Project: Lea County, NM (NAD 83 NME)				TVD Reference:				KB = 22' @ 3542.0usft			
Site: Savage 2 State Com				MD Reference:				KB = 22' @ 3542.0usft			
Well: #702H				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)	
9,662.0	2.20	273.00	9,636.2	397.9	-105.5	1.14	0.47	37.64	-39.7	54.3	
9,852.0	2.20	292.60	9,826.1	399.5	-112.5	0.39	0.00	10.32	-26.3	65.7	
10,042.0	2.10	282.90	10,015.9	401.6	-119.3	0.20	-0.05	-5.11	-44.0	59.7	
10,233.0	0.80	318.30	10,206.9	403.4	-123.6	0.80	-0.68	18.53	-5.5	76.2	
10,328.0	1.00	30.20	10,301.9	404.6	-123.6	1.13	0.21	75.68	69.7	29.6	
10,423.0	0.90	17.40	10,396.8	406.1	-123.0	0.25	-0.11	-13.47	59.9	44.1	
10,518.0	0.40	340.20	10,491.8	407.1	-122.9	0.66	-0.53	-39.16	20.1	70.9	
10,614.0	0.80	337.40	10,587.8	408.0	-123.2	0.42	0.42	-2.92	15.6	71.7	
10,804.0	1.20	324.50	10,777.8	410.9	-124.9	0.24	0.21	-6.79	-4.1	73.1	
10,995.0	1.00	316.50	10,968.8	413.7	-127.2	0.13	-0.10	-4.19	-17.8	71.6	
11,185.0	0.80	263.40	11,158.7	414.7	-129.7	0.43	-0.11	-27.95	-70.3	27.4	
11,376.0	2.10	256.30	11,349.7	413.8	-134.4	0.69	0.68	-3.72	-77.9	18.3	
11,566.0	3.70	241.80	11,539.4	410.0	-143.2	0.92	0.84	-7.63	-89.5	-2.7	
11,641.0	3.80	238.70	11,614.3	407.6	-147.4	0.30	0.13	-4.13	-94.2	-7.6	
11,711.5	4.15	195.83	11,684.6	403.9	-150.1	4.14	0.49	-60.80	-88.0	-71.3	
FTP Crossing, MD:11711.5', TVD:11684.6', N/S:403.9', E/W:-150.1', INC:4.15'											
11,767.0	5.60	174.50	11,739.9	399.3	-150.4	4.14	2.62	-38.44	-41.9	-91.9	
11,820.0	10.40	172.68	11,792.4	392.0	-149.5	9.06	9.05	-3.44	-45.9	-93.5	
KOP, MD:11820.0', TVD:11792.4', N/S:392.0', E/W:-149.5', INC:10.40'											
11,862.0	14.20	172.10	11,833.4	383.1	-148.4	9.06	9.06	-1.37	-53.5	-94.1	
11,957.0	34.70	166.30	11,919.4	344.9	-140.3	21.70	21.58	-6.11	-71.5	-94.7	
12,052.0	44.30	164.90	11,992.7	286.5	-125.2	10.15	10.11	-1.47	-103.9	-79.8	
12,148.0	49.50	179.00	12,058.4	217.4	-115.8	11.99	5.42	14.69	-135.2	-37.1	
12,168.8	48.94	179.89	12,072.0	201.6	-115.6	4.22	-2.69	4.29	-136.8	-32.8	
FTP(Savage 2 State Com #702H)											
12,243.0	47.00	183.20	12,121.7	146.5	-117.1	4.22	-2.61	4.46	-129.6	-20.9	
12,338.0	50.40	184.50	12,184.4	75.3	-121.9	3.72	3.58	1.37	-98.6	-14.3	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3542.0usft
Site:	Savage 2 State Corn	MD Reference:	KB = 22' @ 3542.0usft
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	NIS (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,434.0	69.00	183.30	12,232.6	-7.0	-127.4	19.40	19.37	-1.25	-63.3	-7.6
12,529.0	77.10	184.30	12,260.3	-97.6	-133.5	8.59	8.53	1.05	-35.7	-3.2
12,624.0	84.00	182.70	12,275.9	-191.1	-139.2	7.45	7.26	-1.68	-19.7	-3.0
12,719.0	91.70	183.20	12,279.4	-285.8	-144.0	8.12	8.11	0.53	-15.8	-6.6
12,815.0	91.90	178.10	12,276.4	-381.7	-145.1	5.31	0.21	-5.31	-18.4	-8.4
12,911.0	92.80	176.70	12,272.5	-477.5	-140.8	1.73	0.94	-1.46	-22.0	-4.7
13,006.0	90.60	179.10	12,269.7	-572.4	-137.3	3.43	-2.32	2.53	-24.4	-1.9
13,101.0	89.40	178.60	12,269.7	-667.4	-135.4	1.37	-1.26	-0.53	-24.0	-0.7
13,196.0	89.10	177.50	12,270.9	-762.3	-132.2	1.20	-0.32	-1.16	-22.4	1.9
13,292.0	87.90	177.40	12,273.4	-858.2	-127.9	1.25	-1.25	-0.10	-19.5	5.4
13,387.0	87.30	177.30	12,277.4	-953.0	-123.5	0.64	-0.63	-0.11	-15.2	9.2
13,482.0	89.20	176.80	12,280.3	-1,047.8	-118.6	2.07	2.00	-0.53	-11.9	13.4
13,578.0	88.00	175.40	12,282.6	-1,143.6	-112.1	1.92	-1.25	-1.46	-9.2	19.2
13,673.0	91.60	179.00	12,283.0	-1,238.4	-107.5	5.36	3.79	3.79	-8.4	23.2
13,768.0	92.90	179.40	12,279.2	-1,333.4	-106.1	1.43	1.37	0.42	-11.8	23.8
13,863.0	91.30	180.10	12,275.8	-1,428.3	-105.7	1.84	-1.68	0.74	-14.9	23.6
13,959.0	90.40	180.80	12,274.3	-1,524.3	-106.5	1.19	-0.94	0.73	-15.9	22.1
14,054.0	88.30	181.60	12,275.4	-1,619.2	-108.5	2.37	-2.21	0.84	-14.5	19.5
14,149.0	87.80	180.70	12,278.6	-1,714.2	-110.4	1.08	-0.53	-0.95	-10.8	16.9
14,245.0	87.30	180.10	12,282.7	-1,810.1	-111.0	0.81	-0.52	-0.62	-6.4	15.5
14,340.0	87.00	179.10	12,287.5	-1,904.9	-110.4	1.10	-0.32	-1.05	-1.3	15.5
14,435.0	90.30	180.30	12,289.7	-1,999.9	-109.9	3.70	3.47	1.26	1.4	15.4
14,530.0	92.50	179.90	12,287.4	-2,094.9	-110.0	2.35	2.32	-0.42	-0.6	14.5
14,628.0	89.60	182.30	12,285.6	-2,192.8	-111.9	3.84	-2.96	2.45	-2.0	11.9
14,723.0	88.90	182.90	12,286.8	-2,287.7	-116.2	0.97	-0.74	0.63	-0.4	7.0
14,818.0	87.80	182.00	12,289.6	-2,382.6	-120.3	1.50	-1.16	-0.95	2.8	2.2
14,913.0	88.80	179.90	12,292.4	-2,477.5	-121.9	2.45	1.05	-2.21	6.0	0.0



Midland PVA

Company: EOG Resources - Midland		Local Co-ordinate Reference:		Well #702H						
Project: Lea County, NM (NAD 83 NME)		TVD Reference:	KB = 22' @ 3542.0usft							
Site: Savage 2 State Com		MD Reference:	KB = 22' @ 3542.0usft							
Well: #702H		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)
15,009.0	92.40	179.70	12,291.4	-2,573.5	-121.5	3.76	3.75	-0.21	5.3	-0.4
15,022.7	92.41	179.73	12,290.8	-2,587.2	-121.5	0.24	0.11	0.21	4.8	-0.4
TGT#1(Savage 2 State Com #702H)										
15,104.0	92.50	179.90	12,287.3	-2,668.4	-121.2	0.24	0.11	0.21	1.9	-0.7
15,199.0	92.10	179.40	12,283.5	-2,763.3	-120.6	0.67	-0.42	-0.53	-1.3	-0.8
15,294.0	91.00	179.50	12,280.9	-2,858.3	-119.7	1.16	-1.16	0.11	-3.2	-0.6
15,390.0	91.50	179.40	12,278.8	-2,954.3	-118.8	0.53	0.52	-0.10	-4.7	-0.4
15,485.0	89.70	180.40	12,277.9	-3,049.3	-118.6	2.17	-1.89	1.05	-5.0	-0.9
15,580.0	88.10	178.40	12,279.7	-3,144.2	-117.6	2.70	-1.68	-2.11	-2.6	-0.6
15,676.0	88.90	179.70	12,282.2	-3,240.2	-116.0	1.59	0.83	1.35	0.6	0.3
15,771.0	87.90	180.00	12,284.8	-3,335.1	-115.8	1.10	-1.05	0.32	3.9	-0.1
15,866.0	89.60	179.70	12,286.9	-3,430.1	-115.5	1.82	1.79	-0.32	6.6	-0.6
15,961.0	90.60	180.30	12,286.7	-3,525.1	-115.5	1.23	1.05	0.63	7.1	-1.3
16,056.0	90.90	179.90	12,285.5	-3,620.1	-115.7	0.53	0.32	-0.42	6.5	-2.1
16,152.0	90.60	179.50	12,284.2	-3,716.1	-115.2	0.52	-0.31	-0.42	5.9	-2.3
16,247.0	90.00	179.70	12,283.7	-3,811.1	-114.5	0.67	-0.63	0.21	6.0	-2.3
16,342.0	89.90	179.00	12,283.8	-3,906.1	-113.5	0.74	-0.11	-0.74	6.7	-1.9
16,437.0	88.30	178.10	12,285.3	-4,001.0	-111.1	1.93	-1.68	-0.95	8.9	-0.2
16,505.7	90.76	178.68	12,285.9	-4,099.7	-109.1	3.68	3.58	0.84	9.9	1.2
TGT#2(Savage 2 State Com #702H)										
16,532.0	91.70	178.90	12,285.3	-4,096.0	-108.6	3.68	3.58	0.84	9.5	1.6
16,627.0	87.90	173.40	12,285.7	-4,190.7	-102.2	7.04	-4.00	-5.79	10.7	7.3
16,723.0	92.00	176.00	12,285.7	-4,286.3	-93.3	5.06	4.27	2.71	11.6	15.4
16,818.0	92.30	175.80	12,282.2	-4,381.0	-86.5	0.38	0.32	-0.21	8.8	21.5
16,913.0	92.30	176.50	12,278.4	-4,475.7	-80.2	0.74	0.00	0.74	5.8	27.2
Last MWD Survey (MD=16913.0')										



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3542.0usft
Site:	Savage 2 State Cor	MD Reference:	KB = 22' @ 3542.0usft
Well:	#702H	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)
17,107.0	92.30	176.50	12,270.6	-4,669.2	-68.3	0.00	0.00	0.00	-0.4	37.7
Projection to Bit (MD=17107.0') - PBL(Savage 2 State Com #702H)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
11,711.5	11,684.6	403.9	-150.1	FTP Crossing, MD:11711.5, TVD:11684.6, N/S:403.9, E/W:-150.1, INC:4.15
11,820.0	11,792.4	392.0	-149.5	KOP, MD:11820.0, TVD:11792.4, N/S:392.0, E/W:-149.5, INC:10.40
16,913.0	12,278.4	-4,475.7	-80.2	Last MWD Survey (MD=16913.0')
17,107.0	12,270.6	-4,669.2	-68.3	Projection to Bit (MD=17107.0')

Checked By: _____	Approved By: _____	Date: _____
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I certify this survey to be true and correct to the best of my belief and knowledge.

Kay Maddox 7/15/2020
Signed Date



Lea County, NM (NAD 83 NME)

Savage 2 State Com #702H

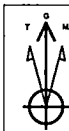
Plan #1

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: #702H

KB = 22' @ 3542.0usft
Northing 424593.00 Easting 753140.00 Latitude 32° 9' 55.558 N Longitude 103° 39' 55.554 W



Azimuths to Grid North
True North: -0.36°
Magnetic North: 6.38°

Magnetic Field
Strength: 47862.4nT
Dip Angle: 59.97°
Date: 8/20/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.38°
To convert a Magnetic Direction to a True Direction, Add 6.74° East
To convert a True Direction to a Grid Direction, Subtract 0.38°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2200.0	0.00	0.00	2200.0	0.0	0.0	0.00	0.00	0.0	
3	2499.9	6.00	352.03	2499.3	15.5	-2.2	2.00	352.03	-15.5	
4	6548.4	6.00	352.03	6525.7	43.5	-80.8	0.00	0.00	-43.0	
5	6648.3	0.00	0.00	6625.0	450.0	-63.0	2.00	180.00	-448.5	
6	11842.1	0.00	0.00	11818.8	450.0	-63.0	0.00	0.00	-448.5	
7	12594.0	90.23	187.15	12296.3	-25.7	-122.7	12.00	187.15	28.4	
8	12845.9	90.23	179.59	12295.2	-276.9	-137.5	3.00	-89.99	280.0	TGT#1(Savage 2 State Com #702H)
9	15156.0	90.23	179.59	12286.0	-2587.0	-121.1	0.00	0.00	2589.1	TGT#2(Savage 2 State Com #702H)
10	15163.9	90.39	179.59	12286.0	-2594.9	-121.0	2.00	-2.52	2597.0	
11	16638.8	90.39	179.59	12278.0	-4069.7	-110.4	0.00	0.00	4071.2	
12	16643.2	90.48	179.59	12276.0	-4074.2	-110.3	2.00	0.01	4075.6	
13	17241.1	90.48	179.59	12271.0	-4672.0	-106.0	0.00	0.00	4673.2	PBHL(Savage 2 State Com #702H)

CASING DETAILS

No casing data is available

WELLSBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Savage 2 State Com #702H)	7197.0	450.0	-63.0	425043.00	753077.00
PBHL(Savage 2 State Com #702H)	12271.0	-4672.0	-106.0	419921.00	753034.00
TGT#2(Savage 2 State Com #702H)	12276.0	-4069.7	-110.4	420523.30	753028.65
TGT#1(Savage 2 State Com #702H)	12286.0	-2587.0	-121.1	422066.00	753016.94
FTF(Savage 2 State Com #702H)	12259.0	404.9	-143.0	424997.00	752997.00

