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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 30-025-46342		² Pool Code 98180	³ Pool Name WC025 G09 S253309P; UPR WOLFCAMP
⁴ Property Code 321651	⁵ Property Name SAVAGE 2 STATE COM		⁶ Well Number 705H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3528'

¹⁰Surface Location

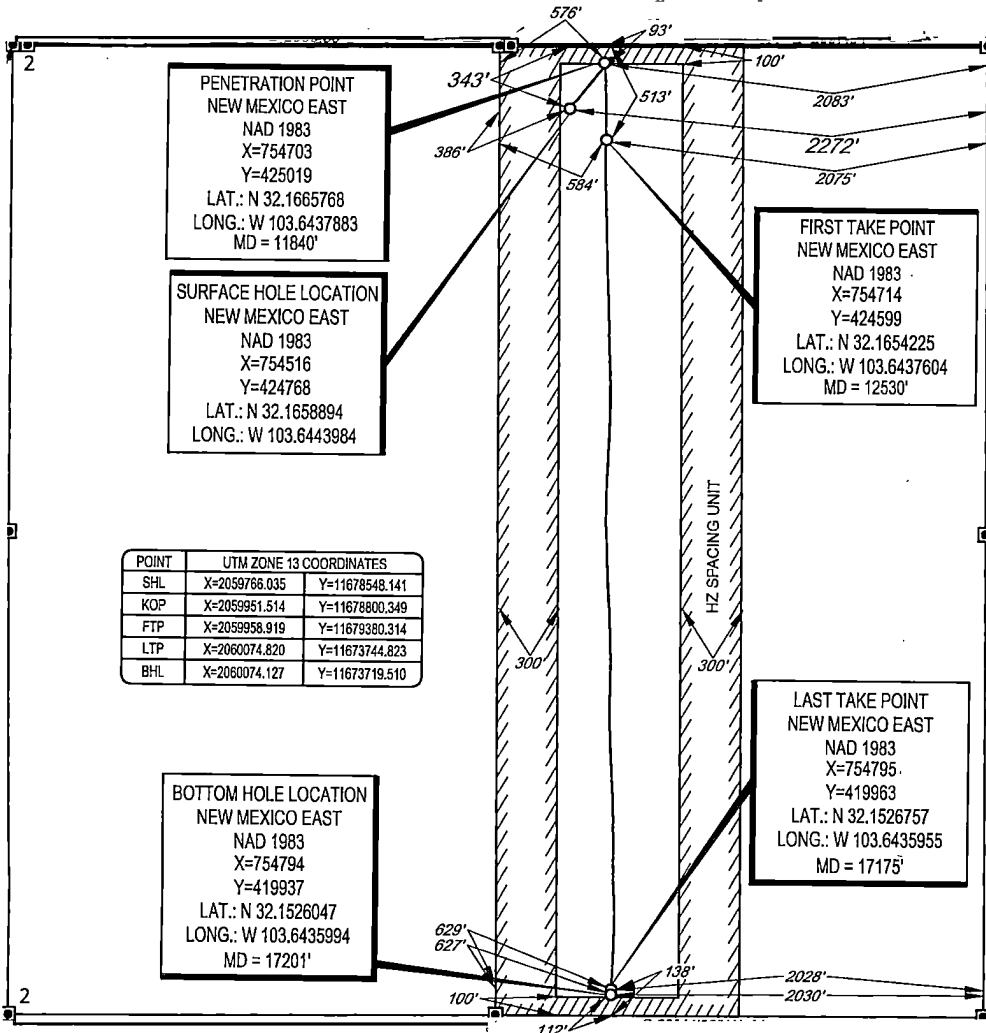
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	2	25-S	32-E	-	343'	NORTH	2272'	EAST	LEA

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
0	2	25-S	32-E	-	100'	SOUTH	2040'	EAST	LEA

¹² Dedicated Acres 320.67	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.



POINT	UTM ZONE 13 COORDINATES	
SHL	X=2059768.035	Y=11678548.141
KOP	X=2059951.514	Y=11678800.349
FTP	X=2059958.919	Y=11679380.314
LTP	X=2060074.820	Y=11673744.823
BHL	X=2060074.127	Y=11673719.510

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 released 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.

Signature *Kay Maddox* Date 07/17/2020

KAY MADDOX

Printed Name

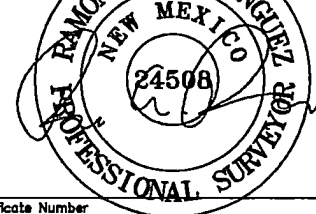
kay_maddox@eogresources.com

E-mail Address

¹⁸SURVEYOR CERTIFICATION

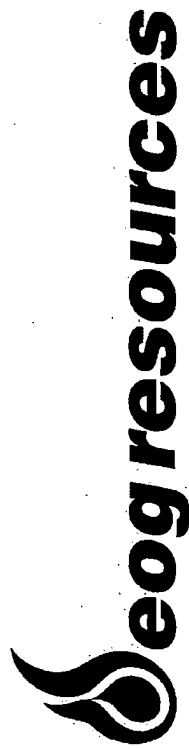
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

01/16/2019

Date of Survey
Signature and Seal of Professional Surveyor

Certificate Number

Rec'd 7/17/2020 - NMOCD



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Savage 2 State Com

#705H

OH

Design: OH

Midland PVA

29 September, 2019



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3553.0usft
Site:	Savage 2 State Com	MD Reference:	KB = 25' @ 3553.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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	Northings:	424,469.00 usft	Latitude:	32° 9' 54.412 N
Site Position:	Map	Easting:	751,845.00 usft	Longitude:	103° 39' 10.929 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.36 °

Well	#705H	Northings:	424,768.00 usft	Latitude:	32° 9' 57.203 N
Well Position	+N/-S	Easting:	754,516.00 usft	Longitude:	103° 38' 39.834 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,528.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Dip Angle (°)	Field Strength (nT)	
	IGRF2015	9/16/2019	6.74	59.97	47,664.17881543

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	176.83	

Survey Program	Date	9/29/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
140.0	17,201.0	Driltech MWD (OH)	MWD	OWSG MWD - Standard	



Midland PVA

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Site:	Savage 2 State Com	MD Reference:	KB = 25' @ 3553.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
	0.0	0.00	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	0.0
	140.0	0.10	43.40	140.0	0.1	0.1	0.07	0.07	0.00	-0.1	0.0
	225.0	0.09	98.64	225.0	0.1	0.2	0.10	-0.01	64.99	-0.2	0.2
	310.0	0.00	307.21	310.0	0.1	0.3	0.11	-0.11	0.00	-0.1	-0.3
	399.0	0.09	72.54	399.0	0.1	0.3	0.10	0.10	0.00	-0.4	0.0
	486.0	0.09	70.78	486.0	0.2	0.5	0.00	0.00	-2.02	-0.5	0.0
	671.0	0.44	310.20	671.0	0.7	0.1	0.27	0.19	-65.18	-0.4	-0.6
	764.0	0.79	311.69	764.0	1.3	-0.7	0.38	0.38	1.60	-1.4	-0.5
	857.0	0.79	311.34	857.0	2.2	-1.7	0.01	0.00	-0.38	-2.7	-0.6
	950.0	0.70	316.00	950.0	3.0	-2.5	0.12	-0.10	5.01	-3.9	-0.3
	1,006.0	0.62	310.37	1,006.0	3.5	-3.0	0.18	-0.14	-10.05	-4.5	-0.7
	1,125.0	0.88	273.63	1,125.0	3.9	-4.4	0.45	0.22	-30.87	-4.6	-3.7
	1,219.0	0.79	281.89	1,219.0	4.1	-5.8	0.16	-0.10	8.79	-6.5	-2.9
	1,312.0	0.79	258.78	1,311.9	4.1	-7.0	0.34	0.00	-24.85	-6.1	-5.4
	1,406.0	1.06	276.01	1,405.9	4.1	-8.5	0.41	0.29	18.33	-8.9	-3.2
	1,500.0	1.58	35.63	1,499.9	5.2	-8.6	2.44	0.55	127.26	0.8	10.1
	1,594.0	4.66	43.62	1,593.8	9.1	-5.2	3.30	3.28	8.50	-1.4	9.9
	1,688.0	5.72	47.49	1,687.4	15.0	0.9	1.19	1.13	4.12	-4.7	9.5
	1,781.0	5.80	49.69	1,779.9	21.2	7.9	0.25	0.09	2.37	-6.2	8.3
	1,875.0	7.03	49.34	1,873.3	28.0	15.8	1.31	1.31	-0.37	-7.2	6.3
	1,968.0	7.47	50.57	1,965.6	35.5	24.8	0.50	0.47	1.32	-9.3	4.4
	2,061.0	7.21	50.39	2,057.8	43.1	34.0	0.28	-0.28	-0.19	-11.8	2.3
	2,155.0	7.47	38.61	2,151.1	51.6	42.4	1.62	0.28	-12.53	-14.1	-1.5
	2,249.0	8.00	36.24	2,244.2	61.7	50.0	0.66	0.56	-2.52	-16.8	-2.0
	2,342.0	7.83	36.33	2,336.3	72.0	57.6	0.18	-0.18	0.10	-19.9	-1.7
	2,436.0	7.12	39.49	2,429.5	81.7	65.1	0.87	-0.76	3.36	-22.4	-0.5
	2,530.0	6.77	37.47	2,522.8	90.6	72.2	0.45	-0.37	-2.15	-23.9	-1.4



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3553.0usft
Site:	Savage 2 State Com	MD Reference:	KB = 25' @ 3553.0usft
Well:	#705H	Grid:	
Wellbore:	OH	North Reference:	Minimum Curvature
Design:	OH	Survey Calculation Method:	
		Database:	EDM 5000.14

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	Hight to Plan (usft)	Right to Plan (usft)
	2,623.0	6.33	39.76	2,615.2	98.8	78.8	0.55	-0.47	2.46	-24.9	-0.6
	2,717.0	5.98	38.97	2,708.7	106.6	85.2	0.38	-0.37	-0.84	-25.1	-1.2
	2,810.0	5.63	43.98	2,801.2	113.7	91.4	0.66	-0.38	5.39	-24.9	0.4
	2,903.0	4.92	38.26	2,893.8	120.1	97.0	0.95	-0.76	-6.15	-23.6	-2.6
	2,997.0	5.63	36.94	2,987.4	126.9	102.3	0.77	0.76	-1.40	-22.3	-3.0
	3,091.0	6.60	35.45	3,080.9	135.0	108.2	1.05	1.03	-1.59	-22.4	-3.3
	3,184.0	6.42	36.06	3,173.3	143.6	114.4	0.21	-0.19	0.66	-23.3	-2.7
	3,276.0	6.42	38.00	3,264.7	151.8	120.6	0.24	0.00	2.11	-24.1	-1.7
	3,369.0	5.28	41.16	3,357.2	159.1	126.6	1.27	-1.23	3.40	-23.9	-0.7
	3,462.0	5.19	42.22	3,449.8	165.5	132.2	0.14	-0.10	1.14	-22.7	-0.9
	3,556.0	4.84	39.32	3,543.5	171.7	137.6	0.46	-0.37	-3.09	-21.0	-2.5
	3,650.0	5.80	37.47	3,637.1	178.5	143.0	1.04	1.02	-1.97	-19.8	-3.2
	3,743.0	5.80	38.35	3,729.6	185.9	148.8	0.10	0.00	0.95	-19.5	-2.9
	3,836.0	5.19	37.91	3,822.1	192.9	154.3	0.66	-0.66	-0.47	-18.7	-3.1
	3,930.0	4.57	36.94	3,915.8	199.3	159.1	0.67	-0.66	-1.03	-16.8	-3.3
	4,023.0	3.61	45.91	4,008.6	204.3	163.5	1.24	-1.03	9.65	-14.0	-1.4
	4,117.0	4.31	40.02	4,102.3	209.0	167.9	0.86	0.74	-6.27	-10.5	-3.5
	4,211.0	7.12	52.59	4,195.9	215.3	174.8	3.26	2.99	13.37	-10.7	-2.8
	4,304.0	8.09	58.21	4,288.1	222.2	184.9	1.31	1.04	6.04	-14.1	-4.6
	4,398.0	6.95	50.92	4,381.2	229.3	194.9	1.58	-1.21	-7.76	-16.1	-9.4
	4,492.0	6.60	67.35	4,474.6	235.0	204.3	2.09	-0.37	17.48	-20.4	-7.7
	4,586.0	6.77	69.81	4,568.0	239.0	214.5	0.35	0.18	2.62	-23.3	-11.7
	4,679.0	7.03	41.69	4,660.3	245.1	223.5	3.61	0.28	-30.24	-15.9	-24.5
	4,772.0	5.98	40.46	4,752.7	253.0	230.4	1.14	-1.13	-1.32	-16.2	-25.4
	4,866.0	5.28	22.97	4,846.3	260.8	235.3	1.96	-0.74	-18.61	-7.4	-28.0
	4,961.0	5.45	13.48	4,940.9	269.2	238.0	0.95	0.18	-9.99	-2.5	-25.5
	5,054.0	5.63	12.77	5,033.4	277.9	240.1	0.21	0.19	-0.76	-2.3	-21.4



Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Savage 2 State Com
Well: #705H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #705H
TVD Reference: KB = 25' @ 3553.0usft
MD Reference: KB = 25' @ 3553.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

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)
	5,147.0	5.54	10.84	5,126.0	286.8	241.9	0.22	-0.10	-2.08	-2.7	-17.6
	5,241.0	5.45	10.40	5,219.5	295.6	243.6	0.11	-0.10	-0.47	-6.1	-14.8
	5,334.0	4.75	8.73	5,312.2	303.8	244.9	0.77	-0.75	-1.80	-11.3	-13.6
	5,428.0	2.37	25.17	5,406.0	309.4	246.4	2.73	-2.53	17.49	-20.0	-8.7
	5,521.0	0.70	51.01	5,499.0	311.5	247.6	1.90	-1.80	27.78	-24.1	1.7
	5,615.0	0.70	175.99	5,592.9	311.3	248.1	1.32	0.00	132.96	14.9	19.2
	5,708.0	0.62	167.64	5,685.9	310.2	248.3	0.13	-0.09	-8.98	10.9	21.1
	5,802.0	0.44	198.66	5,779.9	309.4	248.3	0.35	-0.19	33.00	19.4	12.7
	5,896.0	0.44	171.50	5,873.9	308.7	248.2	0.22	0.00	-28.89	10.8	20.0
	5,990.0	0.44	170.01	5,967.9	307.9	248.3	0.01	0.00	-1.59	9.6	20.3
	6,084.0	0.26	168.78	6,061.9	307.4	248.4	0.19	-0.19	-1.31	8.6	20.5
	6,177.0	0.35	175.72	6,154.9	306.9	248.5	0.10	0.10	7.46	10.5	19.3
	6,270.0	0.35	169.13	6,247.9	306.3	248.5	0.04	0.00	-7.09	7.6	20.4
	6,364.0	0.09	198.75	6,341.9	306.0	248.6	0.29	-0.28	31.51	16.4	14.1
	6,457.0	0.09	47.93	6,434.9	306.0	248.6	0.19	0.00	-162.17	-21.2	-4.3
	6,551.0	0.35	336.12	6,528.9	306.3	248.5	0.35	0.28	-76.39	-2.8	-21.5
	6,644.0	0.18	43.80	6,621.9	306.6	248.5	0.35	-0.18	72.77	-21.2	-5.3
	6,738.0	0.18	308.88	6,715.9	306.8	248.5	0.28	0.00	-100.98	7.0	-20.8
	6,925.0	0.35	201.30	6,902.9	306.5	248.1	0.23	0.09	-57.53	17.3	12.7
	7,019.0	0.18	169.57	6,996.9	306.1	248.0	0.23	-0.18	-33.76	7.6	19.7
	7,112.0	0.35	217.56	7,089.9	305.7	247.9	0.29	0.18	51.60	19.4	7.6
	7,205.0	0.35	250.34	7,182.9	305.4	247.4	0.21	0.00	35.25	19.9	-3.9
	7,298.0	0.70	198.31	7,275.9	304.7	247.0	0.60	0.38	-55.95	14.6	13.1
	7,392.0	0.79	196.82	7,369.9	303.6	246.6	0.10	0.10	-1.59	13.0	13.4
	7,485.0	0.79	196.82	7,462.9	302.4	246.2	0.00	0.00	0.00	11.7	13.4
	7,579.0	0.70	177.48	7,556.9	301.2	246.1	0.28	-0.10	-20.57	5.5	16.3
	7,672.0	0.44	184.34	7,649.9	300.2	246.1	0.29	-0.28	7.38	6.4	15.6



Midland PVA

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Site:	Savage 2 State Com			MD Reference:	KB = 25' @ 3553.0usft		
Well:	#705H			North Reference:	Grid		
Wellbore:	OH			Survey Calculation Method:	Minimum Curvature		
Design:	OH			Database:	EDM 5000.14		

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)
	7,765.0	0.62	219.93	7,742.9	299.5	245.7	0.39	0.19	38.27	13.5	9.2
	7,859.0	0.62	219.23	7,836.9	298.7	245.1	0.01	0.00	-0.74	12.4	9.3
	7,954.0	0.97	203.32	7,931.9	297.6	244.4	0.43	0.37	-16.75	8.1	12.2
	8,048.0	0.79	206.22	8,025.9	296.3	243.8	0.20	-0.19	3.09	7.2	11.8
	8,141.0	1.06	203.67	8,118.8	294.9	243.2	0.29	0.29	-2.74	5.2	12.1
	8,234.0	1.06	202.97	8,211.8	293.3	242.5	0.01	0.00	-0.75	3.3	12.2
	8,327.0	1.32	196.90	8,304.8	291.5	241.9	0.31	0.28	-6.53	0.1	12.4
	8,420.0	1.41	198.66	8,397.8	289.4	241.2	0.11	0.10	1.89	-1.7	12.4
	8,513.0	1.23	205.25	8,490.8	287.4	240.4	0.25	-0.19	7.09	-2.4	12.6
	8,607.0	1.32	205.52	8,584.7	285.5	239.5	0.10	0.10	0.29	-4.5	12.7
	8,700.0	1.58	215.71	8,677.7	283.5	238.3	0.39	0.28	10.96	-4.5	13.4
	8,887.0	1.58	212.55	8,864.6	279.2	235.4	0.05	0.00	-1.69	-10.4	13.0
	9,073.0	1.14	221.07	9,050.6	275.7	232.8	0.26	-0.24	4.58	-12.7	14.8
	9,260.0	1.49	270.03	9,237.5	274.3	229.2	0.61	0.19	26.18	-0.8	20.7
	9,353.0	2.20	289.10	9,330.5	274.9	226.3	1.00	0.76	20.51	3.0	20.2
	9,447.0	2.37	283.74	9,424.4	275.9	222.7	0.29	0.18	-5.70	-2.6	20.3
	9,540.0	2.11	271.08	9,517.3	276.4	219.1	0.60	-0.28	-13.61	-10.6	18.8
	9,634.0	1.93	256.76	9,611.3	276.1	215.8	0.57	-0.19	-15.23	-18.1	15.2
	9,727.0	1.85	224.59	9,704.2	274.7	213.2	1.13	-0.09	-34.59	-26.3	2.3
	9,821.0	2.46	190.31	9,798.2	271.6	211.8	1.49	0.65	-36.47	-26.3	-13.7
	9,915.0	2.46	174.14	9,892.1	267.6	211.7	0.74	0.00	-17.20	-25.4	-21.1
	10,103.0	2.37	181.17	10,079.9	259.7	212.0	0.16	-0.05	3.74	-35.7	-17.3
	10,289.0	1.49	199.89	10,265.8	253.6	211.1	0.58	-0.47	10.06	-45.4	-3.7
	10,383.0	1.23	217.47	10,359.8	251.6	210.1	0.52	-0.28	18.70	-46.6	10.6
	10,477.0	1.49	222.92	10,453.8	249.9	208.6	0.31	0.28	5.80	-47.6	15.0
	10,570.0	1.58	225.29	10,546.7	248.1	206.9	0.12	0.10	2.55	-49.4	17.0
	10,664.0	1.23	219.23	10,640.7	246.5	205.3	0.40	-0.37	-6.45	-53.2	11.6



Midland PVA

Company:		EOG Resources - Midland			Local Co-ordinate Reference:					Well #705H	
Project:		Lea County, NM (NAD 83 NME)			TVD Reference:					KB = 25' @ 3553.0usft	
Site:		Savage 2 State Com			MD Reference:					KB = 25' @ 3553.0usft	
Well:		#705H			North Reference:					Grid	
Wellbore:		OH			Survey Calculation Method:					Minimum Curvature	
Design:		OH			Database:					EDM 5000.14	
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)	
10,757.0	0.70	118.86	10,733.7	245.4	205.2	1.64	-0.57	-107.92	-2.2	-55.4	
10,851.0	1.06	154.01	10,827.7	244.3	206.1	0.67	0.38	37.39	-35.0	-43.7	
10,944.0	1.41	159.55	10,920.7	242.5	206.8	0.40	0.38	5.96	-41.1	-40.0	
11,038.0	0.44	308.26	11,014.7	241.6	207.0	1.92	-1.03	158.20	15.0	56.2	
11,131.0	1.06	303.78	11,107.6	242.3	206.0	0.67	0.67	-4.82	9.3	57.1	
11,224.0	1.23	288.84	11,200.6	243.1	204.3	0.37	0.18	-16.06	-7.6	57.4	
11,318.0	1.41	313.98	11,294.6	244.3	202.5	0.64	0.19	26.74	15.4	55.6	
11,455.0	2.29	303.08	11,431.5	246.9	199.0	0.69	0.64	-7.96	0.3	57.2	
11,549.0	2.90	300.97	11,525.4	249.2	195.4	0.66	0.65	-2.24	-6.1	57.1	
11,643.0	1.85	288.75	11,619.4	250.9	191.9	1.23	-1.12	-13.00	-21.9	54.0	
11,736.0	1.49	281.46	11,712.3	251.6	189.3	0.45	-0.39	-7.84	-31.2	50.6	
11,830.0	1.06	244.81	11,806.3	251.5	187.3	0.96	-0.46	-38.99	-57.1	21.2	
11,840.0	1.84	204.41	11,816.3	251.3	187.2	12.40	7.80	-404.02	-57.5	-20.9	
KOP, MD:11840.0', TVD:11816.3', N/S:251.3', EW:187.2', INC:1.84											
11,905.9	9.76	176.72	11,881.8	244.8	187.1	12.40	12.02	-42.01	-46.1	-45.7	
FTP Crossing, MD:11905.9', TVD:11881.8', N/S:244.8', EW:187.1', INC:9.76											
11,923.0	11.87	175.64	11,898.6	241.6	187.3	12.40	12.35	-6.33	-46.8	-46.5	
12,017.0	28.84	177.22	11,986.4	209.0	189.1	18.06	18.05	1.68	-59.4	-44.2	
12,111.0	39.13	176.25	12,064.2	156.6	192.2	10.96	10.95	-1.03	-71.9	-42.5	
12,204.0	43.18	178.89	12,134.3	95.5	194.7	4.74	4.35	2.84	-76.5	-37.4	
12,297.0	49.24	178.54	12,198.6	28.4	196.2	6.52	6.52	-0.38	-65.9	-36.8	
12,390.0	53.99	179.59	12,256.3	-44.4	197.4	5.18	5.11	1.13	-43.7	-36.1	
12,483.0	64.02	178.71	12,304.2	-124.0	198.6	10.82	10.78	-0.95	-14.7	-34.9	
12,530.0	72.90	181.35	12,321.4	-167.7	198.6	19.60	18.89	5.62	-2.1	-34.9	
12,577.0	79.67	182.49	12,332.5	-213.3	197.0	14.60	14.40	2.43	8.7	-36.9	
12,670.0	89.78	179.50	12,341.1	-305.8	195.4	11.33	10.87	-3.22	18.1	-39.0	
12,764.0	91.98	177.04	12,339.6	-399.7	198.3	3.51	2.34	-2.62	16.9	-36.9	



Midland PVA

Company: EOG Resources - Midland				Local Co-ordinate Reference:				Well #705H			
Project: Lea County, NM (NAD 83 NME)				TVD Reference:				KB = 25' @ 3553.0usft			
Site: Savage 2 State Com				MD Reference:				KB = 25' @ 3553.0usft			
Well: #705H				North Reference:				Grid			
Wellbore: OH				Survey Calculation Method:				Minimum Curvature			
Design: OH				Database:				EDM 5000.14			
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)	
12,858.0	92.15	178.01	12,336.2	-493.6	202.3	1.05	0.18	1.03	13.9	-33.5	
12,952.0	90.92	177.66	12,333.7	-587.5	205.9	1.36	-1.31	-0.37	11.7	-30.7	
13,045.0	90.75	178.10	12,332.4	-680.4	209.3	0.51	-0.18	0.47	10.7	-27.9	
13,138.0	90.66	178.10	12,331.2	-773.3	212.4	0.10	-0.10	0.00	9.9	-25.5	
13,232.0	87.93	177.31	12,332.4	-867.2	216.2	3.02	-2.90	-0.84	11.5	-22.4	
13,326.0	90.57	177.83	12,333.6	-961.1	220.2	2.86	2.81	0.55	13.0	-19.2	
13,419.0	92.59	176.87	12,331.0	-1,054.0	224.4	2.40	2.17	-1.03	10.8	-15.6	
13,512.0	92.59	179.06	12,326.8	-1,146.8	227.7	2.35	0.00	2.35	6.9	-12.9	
13,605.0	90.66	178.89	12,324.2	-1,239.8	229.4	2.08	-2.08	-0.18	4.6	-12.0	
13,698.0	86.79	177.66	12,326.3	-1,332.7	232.2	4.37	-4.16	-1.32	7.0	-9.8	
13,792.0	87.85	177.83	12,330.7	-1,426.5	235.9	1.14	1.13	0.18	11.8	-6.9	
13,885.0	89.34	179.33	12,333.0	-1,519.5	238.2	2.27	1.60	1.61	14.4	-5.2	
13,979.0	91.89	180.82	12,331.9	-1,613.4	238.1	3.14	2.71	1.59	13.7	-6.1	
14,072.0	88.99	180.91	12,331.2	-1,706.4	236.7	3.12	-3.12	0.10	13.4	-8.2	
14,166.0	90.92	181.88	12,331.3	-1,800.4	234.4	2.30	2.05	1.03	13.8	-11.1	
14,260.0	88.55	181.88	12,331.7	-1,894.3	231.3	2.52	-2.52	0.00	14.6	-14.9	
14,353.0	87.85	183.02	12,334.7	-1,987.2	227.3	1.44	-0.75	1.23	17.8	-19.6	
14,446.0	88.20	181.35	12,337.9	-2,080.1	223.8	1.83	0.38	-1.80	21.4	-23.8	
14,540.0	90.57	179.85	12,338.9	-2,174.0	222.8	2.98	2.52	-1.60	22.7	-25.5	
14,633.0	87.85	177.74	12,340.2	-2,267.0	224.8	3.70	-2.92	-2.27	24.4	-24.2	
14,727.0	95.67	177.66	12,337.3	-2,360.8	228.5	8.32	8.32	-0.09	21.7	-21.2	
14,820.0	92.86	178.80	12,330.4	-2,453.5	231.4	3.26	-3.02	1.23	15.2	-19.0	
14,913.0	90.48	177.48	12,327.6	-2,546.4	234.4	2.93	-2.56	-1.42	13.0	-16.6	
15,007.0	89.43	176.78	12,327.7	-2,640.3	239.1	1.34	-1.12	-0.74	13.7	-12.6	
15,100.0	87.67	175.99	12,330.1	-2,733.1	245.0	2.07	-1.89	-0.85	16.6	-7.5	
15,193.0	93.47	178.27	12,329.1	-2,825.9	249.6	6.70	6.24	2.45	16.2	-3.5	
15,287.0	94.09	177.66	12,322.9	-2,919.6	253.0	0.92	0.66	-0.65	10.6	-0.9	



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Savage 2 State Com
 Well: #705H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #705H
 TVD Reference: KB = 25' @ 3553.0usft
 MD Reference: KB = 25' @ 3553.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

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)
	15,380.0	92.07	179.85	12,318.0	-3,012.5	255.0	3.20	-2.17	2.35	6.2	0.5
	15,474.0	90.92	181.35	12,315.5	-3,106.4	254.0	2.01	-1.22	1.60	4.4	-1.2
	15,567.0	87.05	181.70	12,317.1	-3,199.4	251.5	4.18	-4.16	0.38	6.6	-4.4
	15,660.0	88.72	178.45	12,320.6	-3,292.3	251.4	3.93	1.80	-3.49	10.6	-5.2
	15,754.0	90.66	177.13	12,321.1	-3,386.2	255.0	2.50	2.06	-1.40	11.7	-2.3
	15,846.0	91.98	176.51	12,319.0	-3,478.0	260.1	1.59	1.43	-0.67	10.1	2.2
	15,940.0	91.63	176.34	12,316.0	-3,571.8	266.0	0.41	-0.37	-0.18	7.8	7.3
	16,033.0	92.33	176.95	12,312.8	-3,664.6	271.4	1.00	0.75	0.66	5.1	12.1
	16,127.0	90.04	178.01	12,310.9	-3,758.5	275.6	2.68	-2.44	1.13	3.8	15.5
	16,222.0	89.96	178.18	12,310.9	-3,853.4	278.7	0.20	-0.08	0.18	4.4	18.0
	16,315.0	89.16	180.38	12,311.6	-3,946.4	279.9	2.52	-0.86	2.37	5.7	18.5
	16,409.0	87.05	179.06	12,314.7	-4,040.3	280.3	2.65	-2.24	-1.40	9.3	18.2
	16,503.0	90.48	179.41	12,316.7	-4,134.3	281.6	3.67	3.65	0.37	12.1	18.8
	16,595.0	83.71	177.39	12,321.4	-4,226.1	284.2	7.68	-7.36	-2.20	17.5	20.7
	16,689.0	85.38	177.39	12,330.3	-4,319.6	288.4	1.78	1.78	0.00	27.4	24.3
	16,783.0	88.11	178.89	12,335.6	-4,413.3	291.5	3.31	2.90	1.60	33.6	26.6
	16,876.0	89.87	183.28	12,337.3	-4,506.3	289.7	5.08	1.89	4.72	36.2	24.1
	16,970.0	93.65	180.56	12,334.4	-4,600.2	286.5	4.95	4.02	-2.89	34.2	20.3
	17,035.0	96.46	182.31	12,328.7	-4,664.9	284.9	5.09	4.32	2.89	29.0	18.3
Last MWD Survey (MD=17035.0')											
	17,201.0	96.46	182.31	12,310.0	-4,829.7	278.3	0.00	0.00	0.00	11.9	10.4
Projection to Bit (MD=17201.0')											



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3553.0usft
Site:	Savage 2 State Com	MD Reference:	KB = 25' @ 3553.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
11,840.0	11,816.3	251.3	187.2	KOP, MD:11840.0', TVD:11816.3', N/S:251.3', E/W:187.2', INC:1.84
11,905.9	11,881.8	244.8	187.1	FTP Crossing, MD:11905.9', TVD:11881.8', N/S:244.8', E/W:187.1', INC:9.76
17,035.0	12,328.7	-4,664.9	284.9	Last MWD Survey (MD=17035.0')
17,201.0	12,310.0	-4,829.7	278.3	Projection to Bit (MD=17201.0')

Checked By: _____ Approved By: _____

Date: _____

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

Kay Maddox 7/15/2020
Signed Date



Lea County, NM (NAD 83 NME)

Savage 2 State Com #705H

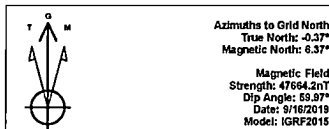
Plan #1

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: #705H

KB = 25' @ 3553.0usft
Northing 424768.00 Easting 754516.00
Latitude 32° 9' 57.203 N Longitude 103° 38' 39.834 W



Azimuths to Grid North
True North: -0.37°
Magnetic North: 6.37°

Magnetic Field
Strength: 47664.2nT
Dip Angle: 59.87°
Date: 9/18/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 0.37°
To convert a Magnetic Direction to a True Direction, Add 8.74° East
To convert a True Direction to a Grid Direction, Subtract 0.37°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1799.9	6.00	37.94	1799.4	12.4	9.6	2.00	37.94	-11.8	
4	5079.1	6.00	37.94	5060.6	282.6	220.4	0.00	0.00	-270.0	
5	5379.1	0.00	0.00	5360.0	295.0	230.0	2.00	180.00	-281.8	
6	11885.1	0.00	0.00	11846.0	295.0	230.0	0.00	0.00	-281.8	
7	12616.6	90.21	179.58	12323.5	-184.2	233.6	12.00	179.58	196.9	
8	14919.6	90.21	179.58	12315.0	-2486.9	250.6	0.00	0.00	2497.0	TGT#1(Savage 2 State Com #705H)
9	14926.5	90.36	179.58	12315.0	-2494.2	250.7	2.00	0.00	2504.3	
10	16525.5	90.36	179.58	12305.0	-4092.7	262.5	0.00	0.00	4101.0	TGT#2(Savage 2 State Com #705H)
11	16534.7	90.54	179.58	12304.9	-4102.0	262.6	2.00	0.00	4110.2	
12	17265.8	90.54	179.58	12298.0	-4833.0	268.0	0.00	0.00	4840.4	PBHL(Savage 2 State Com #705H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Savage 2 State Com #705H)	7283.0	295.0	230.0	425063.00	754745.00
PBHL(Savage 2 State Com #705H)	12298.0	-4833.0	262.0	419935.00	754754.00
TGT#2(Savage 2 State Com #705H)	12308.0	-4092.7	262.5	420676.30	754778.61
TGT#1(Savage 2 State Com #705H)	12316.0	-2486.9	260.6	422281.10	754768.61
FTF(Savage 2 State Com #705H)	12328.0	246.0	230.0	425013.00	754746.00

