

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 30-025-46343	² Pool Code 98180	³ Pool Name WC025 G09 S253309P; UPR WOLFCAMP <i>KZ</i>
⁴ Property Code 321651	⁵ Property Name SAVAGE 2 STATE COM	⁶ Well Number 726H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3544'

¹⁰Surface Location

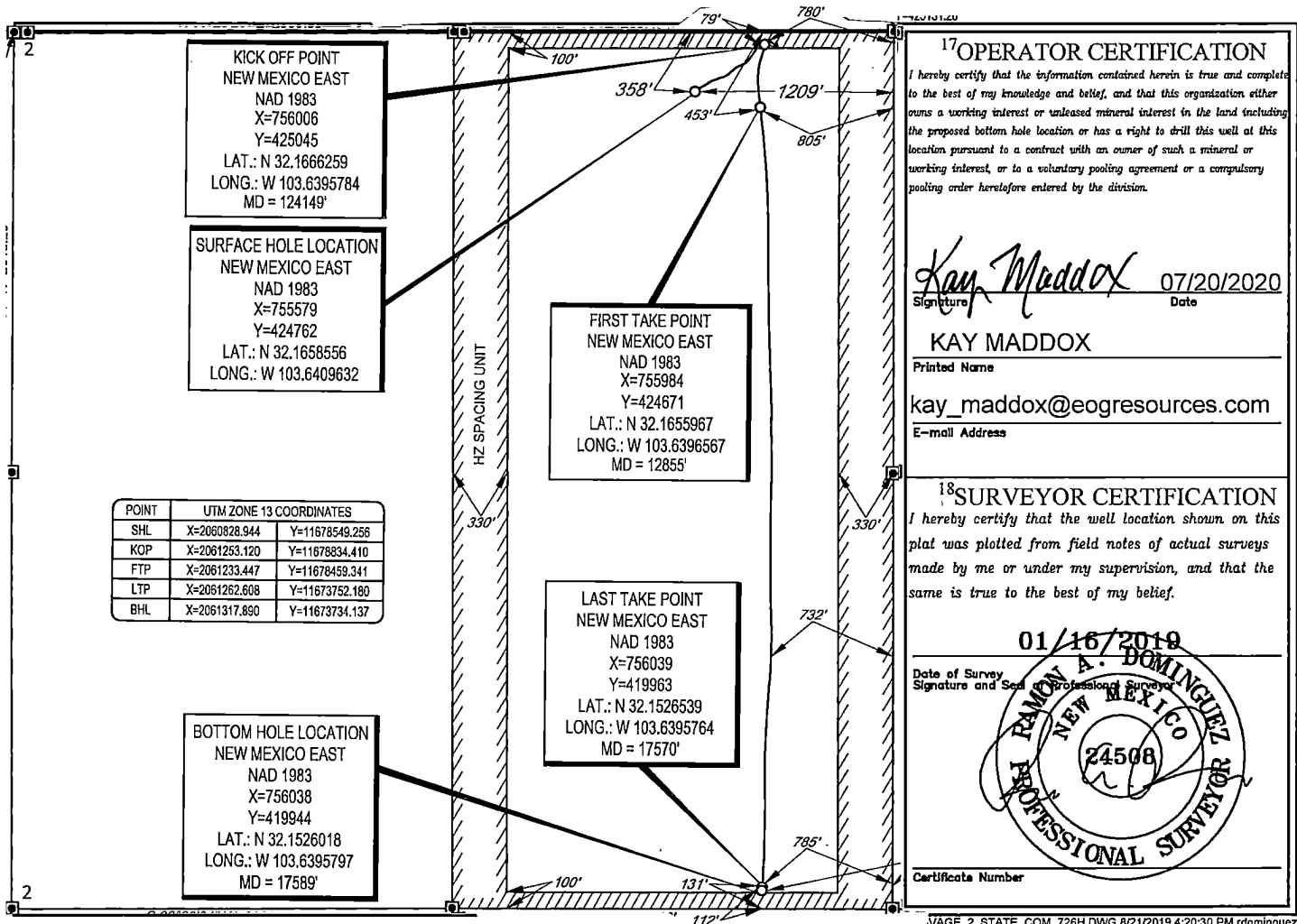
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	25-S	32-E	-	358'	NORTH	1209'	EAST	LEA

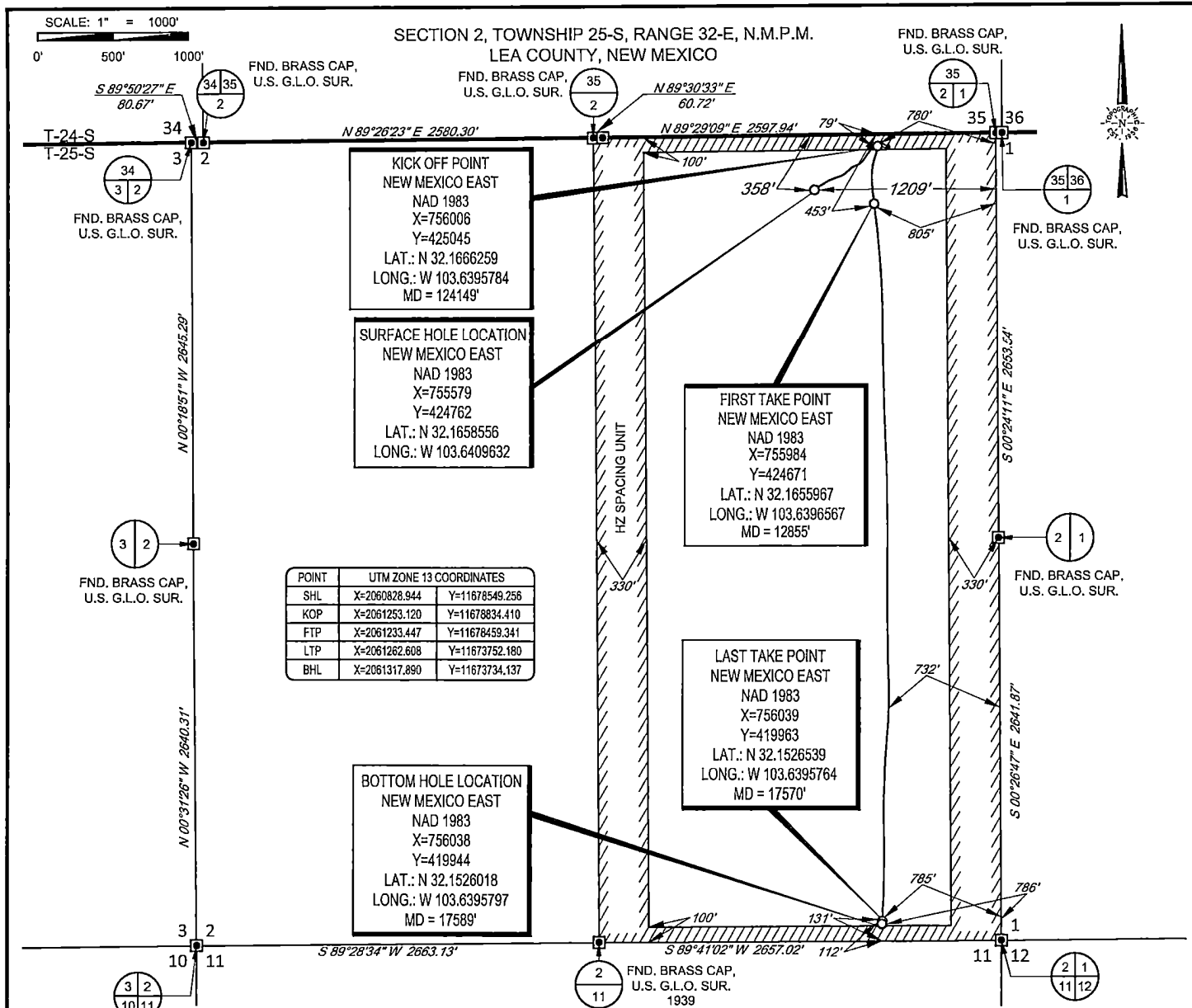
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	2	25-S	32-E	-	112'	SOUTH	785'	EAST	LEA

¹² Dedicated Acres 320.67	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	SL
---	-------------------------------	----------------------------------	-------------------------	----

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.





LEASE NAME & WELL NO.: SAVAGE 2 STATE COM #726H

SECTION 2 TWP 25-S RGE 32-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3543'

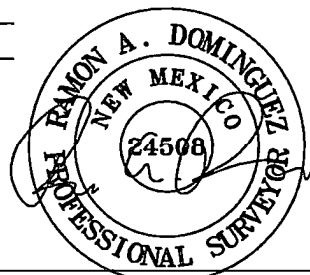
DESCRIPTION 358' FNL & 1209' FEL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX: (432) 682-1743
WWW.TOPOGRAPHIC.COM

eog resources, inc.



Ramon A. Dominguez, P.S. No. 24508
MARCH 18, 2020

SAVAGE 2 STATE COM #726H AS-COMPLETE	REVISION:		NOTES: 1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. 3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
DATE:	03/18/20		
FILE:	AD_SAVAGE_2_STATE_COM_726H		
DRAWN BY:	H.B.		
SHEET:	1 OF 1		

Intent ☐ As Drilled ☒API #
30-025-46343

Operator Name: EOG RESOURCES, INC	Property Name: SAVAGE 2 STATE COM	Well Number 726H
--------------------------------------	--------------------------------------	---------------------

Kick Off Point (KOP)

UL A	Section 2	Township 25S	Range 32E	Lot	Feet 79	From N/S NORTH	Feet 780	From E/W EAST	County LEA
Latitude 32.1666259					Longitude 103.6395784			NAD 1983	

First Take Point (FTP)

UL A	Section 2	Township 25S	Range 32E	Lot	Feet 453	From N/S NORTH	Feet 805	From E/W EAST	County LEA
Latitude 32.1655967					Longitude 103.6396567			NAD 1983	

Last Take Point (LTP)

UL P	Section 2	Township 25S	Range 32E	Lot	Feet 131	From N/S SOUTH	Feet 785	From E/W EAST	County LEA
Latitude 32.1526539					Longitude 103.6395764			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 #
30-025-46340

Operator Name: EOG RESOURCES, INC	Property Name: SAVAGE 2 STATE COM	Well Number #723H
--------------------------------------	--------------------------------------	----------------------



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Savage 2 State Com

#726H

OH

Design: OH

Final PVA Report

28 October, 2019



Final PVA Report

Company:	EOG Resources - Midland		Local Co-ordinate Reference:	Well #726H
Project:	Lea County, NM (NAD 83 NME)		TVD Reference:	KB = 22' @ 3586.0usft
Site:	Savage 2 State Com		MD Reference:	KB = 22' @ 3586.0usft
Well:	#726H		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:			Easting:	751,845.00 usft	Longitude:	103° 39' 10.929 W
Position Uncertainty:	Map	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.36 °

Well	#726H		Northings:	424,762.00 usft	Latitude:	32° 9' 57.076 N
Well Position	+N/-S	0.0 usft	Easting:	755,579.00 usft	Longitude:	103° 38' 27.468 W
Position Uncertainty	+E/-W	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,544.0 usft

Wellbore	OH					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	
	IGRF2015	9/13/2019	6.74	59.97	47,865.24107238	

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	174.20		

Survey Program	Date	10/28/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
188.0	17,589.0	Learn MWD #1 (OH)	MWD	OWSG MWD - Standard



Final PVA Report

Company: EOG Resources - Midland			Local Co-ordinate Reference: Well #726H							
Project: Lea County, NM (NAD 83 NME)			KB = 22' @ 3566.0usft							
Site: Savage 2 State Com			KB = 22' @ 3566.0usft							
Well: #726H			Grid							
Wellbore: OH			Minimum Curvature							
Design: OH			EDM 5000.14							
Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	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
188.0	1.23	69.35	188.0	0.7	1.9	0.65	0.65	0.00	-2.0	0.0
374.0	1.14	83.58	373.9	1.6	5.6	0.16	-0.05	7.65	-5.7	1.0
560.0	0.62	84.99	559.9	1.9	8.4	0.28	-0.28	0.76	-8.6	1.2
699.0	0.44	121.20	698.9	1.7	9.6	0.27	-0.13	26.05	-7.4	6.5
890.0	0.35	167.96	889.9	0.8	10.4	0.17	-0.05	24.48	-1.4	10.3
1,038.0	0.62	210.15	1,037.9	-0.4	10.1	0.29	0.18	28.51	4.7	8.9
1,162.0	0.62	212.43	1,161.9	-1.5	9.4	0.02	0.00	1.84	3.7	8.7
1,353.0	3.52	55.63	1,352.8	0.9	13.7	2.15	1.52	-82.09	-11.8	-7.0
1,543.0	7.21	55.28	1,541.9	11.0	28.3	1.94	1.94	-0.18	-26.0	-7.1
1,733.0	6.77	57.22	1,730.5	23.9	47.5	0.26	-0.23	1.02	-33.7	-6.3
1,924.0	6.51	58.27	1,920.2	35.6	66.2	0.15	-0.14	0.55	-36.0	-6.5
2,114.0	6.16	58.80	2,109.1	46.6	84.1	0.19	-0.18	0.28	-37.2	-7.2
2,305.0	6.07	59.68	2,299.0	57.0	101.5	0.07	-0.05	0.46	-37.7	-8.0
2,496.0	5.63	65.65	2,489.0	66.0	118.8	0.39	-0.23	3.13	-38.1	-6.6
2,687.0	5.10	68.47	2,679.2	72.9	135.2	0.31	-0.28	1.48	-36.8	-8.7
2,877.0	4.75	75.32	2,868.5	78.0	150.7	0.36	-0.18	3.61	-35.1	-10.1
3,068.0	6.33	71.28	3,058.6	83.4	168.3	0.85	0.83	-2.12	-33.5	-18.5
3,259.0	7.21	67.94	3,248.2	91.3	189.4	0.50	0.46	-1.75	-35.4	-25.4
3,450.0	6.77	52.12	3,437.8	102.7	209.4	1.03	-0.23	-8.28	-30.1	-36.2
3,640.0	6.60	44.74	3,626.5	117.3	225.9	0.46	-0.09	-3.88	-27.7	-37.5
3,831.0	7.03	50.19	3,816.2	132.6	242.6	0.41	0.23	2.85	-33.9	-31.9
4,022.0	5.80	55.28	4,006.0	145.6	259.5	0.71	-0.64	2.66	-37.9	-27.7
4,213.0	5.89	73.74	4,196.0	153.8	276.9	0.98	0.05	9.66	-44.7	-17.6
4,403.0	6.77	56.69	4,384.9	162.7	295.6	1.09	0.46	-8.97	-38.3	-33.1
4,594.0	6.24	61.44	4,574.6	173.9	314.1	0.40	-0.28	2.49	-42.6	-31.1
4,785.0	5.01	36.12	4,764.8	185.6	328.2	1.43	-0.64	-13.26	-24.2	-44.1



Final PVA Report

Company: EOG Resources - Midland		Local Co-ordinate Reference:				Well #726H				
Project: Lea County, NM (NAD 83 NME)		TVD Reference:				KB = 22' @ 3566.0usft				
Site: Savage 2 State Com		MD Reference:				KB = 22' @ 3566.0usft				
Well: #726H		North Reference:				Grid				
Wellbore: OH		Survey Calculation Method:				Minimum Curvature				
Design: OH		Database:				EDM-5000.14				
Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,975.0	3.08	34.89	4,954.3	196.5	336.0	1.02	-1.02	-0.65	-18.0	-37.9
5,166.0	7.39	34.19	5,144.4	210.8	345.8	2.26	2.26	-0.37	-16.4	-30.9
5,357.0	6.33	35.07	5,334.1	229.6	358.8	0.56	-0.55	0.46	-21.0	-23.5
5,547.0	6.07	33.84	5,522.9	246.5	370.4	0.15	-0.14	-0.65	-22.5	-16.9
5,738.0	5.89	33.66	5,712.9	263.1	381.4	0.09	-0.09	-0.09	-23.8	-9.6
5,929.0	4.84	29.79	5,903.1	278.2	390.9	0.58	-0.55	-2.03	-22.9	-3.2
6,119.0	5.72	40.34	6,092.3	292.4	401.0	0.69	0.46	5.55	-21.2	7.6
6,310.0	5.54	60.56	6,282.4	304.2	415.2	1.04	-0.09	10.59	-15.6	16.0
6,501.0	4.57	77.61	6,472.6	310.4	430.6	0.93	-0.51	8.93	-8.2	15.0
6,692.0	3.78	110.30	6,663.1	309.8	444.0	1.29	-0.41	17.12	-0.1	5.0
6,883.0	3.25	113.64	6,853.8	305.4	454.8	0.30	-0.28	1.75	-5.7	-4.1
7,073.0	2.81	122.43	7,043.5	300.8	463.7	0.34	-0.23	4.63	-15.9	-3.2
7,264.0	1.76	133.33	7,234.4	296.3	469.8	0.59	-0.55	5.71	-23.7	0.8
7,454.0	1.49	130.87	7,424.3	292.6	473.8	0.15	-0.14	-1.29	-29.1	-0.4
7,645.0	1.32	126.83	7,615.2	289.7	477.4	0.10	-0.09	-2.12	-33.7	-2.6
7,836.0	1.32	150.38	7,806.2	286.5	480.3	0.28	0.00	12.33	-36.2	12.0
8,027.0	0.88	110.13	7,997.1	284.1	482.7	0.45	-0.23	-21.07	-38.5	-15.7
8,217.0	1.23	79.72	8,187.1	283.9	486.1	0.34	0.18	-16.01	-28.5	-33.7
8,408.0	1.32	56.86	8,378.1	285.5	490.0	0.27	0.05	-11.97	-17.3	-43.0
8,599.0	1.76	44.74	8,569.0	288.8	493.9	0.29	0.23	-6.35	-13.0	-46.1
8,789.0	1.49	25.75	8,758.9	293.1	497.0	0.32	-0.14	-9.99	-2.5	-48.8
8,980.0	0.62	203.99	8,949.9	294.4	497.7	1.10	-0.46	93.32	2.5	48.9
9,171.0	0.79	298.39	9,140.9	294.0	496.1	0.55	0.09	49.42	47.3	-5.2
9,361.0	0.09	308.58	9,330.9	294.8	494.8	0.37	-0.37	5.36	44.2	-13.2
9,552.0	1.49	113.29	9,521.9	293.9	497.0	0.83	0.73	86.24	-48.5	1.1
9,743.0	4.84	154.60	9,712.6	285.6	502.7	2.01	1.75	21.63	-45.5	34.6
9,934.0	1.85	177.10	9,903.2	275.2	506.3	1.68	-1.57	11.78	-39.4	52.4



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #726H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3566.0usft
Site:	Savage 2 State Com	MD Reference:	KB = 22' @ 3566.0usft
Well:	#726H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey	MD (usft)	Inc (°)	Azi grid_north_azim	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
	10,125.0	1.41	296.28	10,094.2	273.2	504.4	1.48	-0.23	62.40	64.1	11.6
	10,315.0	1.41	252.16	10,284.1	273.5	500.1	0.56	0.00	-23.22	34.0	51.4
	10,506.0	0.88	236.51	10,475.1	272.0	496.6	0.32	-0.28	-8.19	15.1	58.0
	10,697.0	1.93	257.08	10,666.0	270.5	492.2	0.60	0.55	10.77	29.9	49.5
	10,888.0	3.25	272.90	10,856.8	270.0	483.7	0.78	0.69	8.28	33.8	40.3
	11,078.0	2.81	297.51	11,046.6	272.4	474.2	0.72	-0.23	12.95	37.9	24.9
	11,269.0	2.02	293.84	11,237.4	276.0	467.0	0.42	-0.41	-2.03	28.1	27.0
	11,460.0	4.13	289.60	11,428.1	279.6	457.4	1.11	1.10	-2.12	15.9	28.7
	11,603.0	3.52	276.59	11,570.8	281.8	448.2	0.74	-0.43	-9.10	-0.3	30.4
	11,781.0	2.37	270.44	11,748.6	282.5	439.1	0.67	-0.65	-3.46	-12.7	29.6
	11,972.0	2.20	280.81	11,939.4	283.2	431.5	0.23	-0.09	5.43	-14.7	32.1
	12,068.0	1.32	280.81	12,035.4	283.8	428.6	0.92	-0.92	0.00	-17.7	32.1
	12,163.0	1.93	226.14	12,130.3	282.9	426.4	1.67	0.64	-57.55	-38.6	3.3
	12,188.8	4.60	198.53	12,156.1	281.6	425.8	11.71	10.34	-107.05	-37.2	-15.3
KOP (Savage 2 State Com #726H)											
	12,258.0	12.57	187.47	12,224.5	271.5	423.9	11.71	11.52	-15.99	-39.1	-23.4
	12,299.0	16.31	190.30	12,264.2	261.4	422.3	9.29	9.13	6.91	-42.8	-22.7
HL Crossing, MD:12299.0', TVD:12264.2', N/S:261.4', E/W:422.3', INC:16.31											
	12,354.0	21.37	192.57	12,316.2	244.0	418.7	9.29	9.19	4.12	-45.4	-24.7
	12,449.0	23.13	197.84	12,404.1	209.3	409.2	2.80	1.85	5.55	-41.1	-33.4
	12,499.0	26.38	196.44	12,449.5	189.3	403.1	6.60	6.50	-2.80	-31.5	-43.3
	12,544.0	32.62	191.51	12,488.7	167.8	397.8	14.87	13.87	-10.96	-18.8	-52.8
	12,599.7	42.66	186.48	12,532.8	134.3	392.7	18.84	18.02	-9.04	-4.6	-60.5
FTP (Savage 2 State Com #726H)											
	12,603.0	43.26	186.24	12,535.2	132.0	392.4	18.84	18.20	-7.14	-3.9	-60.8
	12,640.0	49.33	182.90	12,560.7	105.4	390.3	17.65	16.41	-9.03	3.6	-63.4
	12,687.0	56.98	178.68	12,588.9	67.8	389.9	17.79	16.28	-8.98	11.1	-63.8



Final PVA Report

Company:		EOG Resources - Midland			Local Co-ordinate Reference:					
Project:		Lea County, NM (NAD 83 NME)			TVD Reference:					
Site:		Savage 2 State Com			MD Reference:					
Well:		#726H			North Reference:					
Wellbore:		OH			Survey Calculation Method:					
Design:		OH			Database:					
					Well #726H					
					KB = 22' @ 3566.0usft					
					KB = 22' @ 3566.0usft					
					Grid					
					Minimum Curvature					
					EDM 5000.14					
Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,735.0	66.48	174.99	12,611.6	25.7	392.3	20.91	19.79	-7.69	14.6	-61.4
12,782.0	77.12	174.29	12,626.3	-18.7	396.5	22.68	22.64	-1.49	12.2	-57.7
12,793.0	79.49	173.23	12,628.5	-29.4	397.6	23.52	21.55	-9.64	11.2	-56.7
12,831.0	88.02	173.06	12,632.6	-66.9	402.1	22.45	22.45	-0.45	5.1	-52.6
12,926.0	89.78	174.11	12,634.5	-161.3	412.7	2.16	1.85	1.11	-3.5	-42.7
13,022.0	91.98	172.88	12,633.0	-256.6	423.6	2.63	2.29	-1.28	-4.5	-32.6
13,117.0	94.70	174.29	12,627.4	-350.9	434.2	3.22	2.86	1.48	-9.4	-22.6
13,213.0	96.99	175.87	12,617.7	-446.0	442.4	2.89	2.39	1.65	-18.3	-15.2
13,308.0	96.20	176.40	12,606.8	-540.2	448.8	1.00	-0.83	0.56	-28.5	-9.5
13,403.0	93.47	177.10	12,598.8	-634.7	454.1	2.97	-2.87	0.74	-35.9	-4.8
13,499.0	92.07	178.51	12,594.1	-730.5	457.8	2.07	-1.46	1.47	-39.8	-1.9
13,594.0	89.34	180.44	12,592.9	-825.5	458.7	3.52	-2.87	2.03	-40.3	-1.7
13,626.8	89.31	179.95	12,593.3	-858.3	458.6	1.49	-0.09	-1.48	-39.7	-2.1
TOT 1 (Savage 2 State Com #726H)										
13,689.0	89.25	179.03	12,594.1	-920.4	459.1	1.49	-0.09	-1.48	-38.3	-2.0
13,785.0	88.37	178.51	12,596.1	-1,016.4	461.2	1.06	-0.92	-0.54	-35.3	-0.6
13,880.0	88.37	178.86	12,598.8	-1,111.3	463.4	0.37	0.00	0.37	-31.6	0.8
13,975.0	88.46	178.15	12,601.4	-1,206.3	465.8	0.75	0.09	-0.75	-28.0	2.6
14,071.0	88.55	178.51	12,603.9	-1,302.2	468.6	0.39	0.09	0.37	-24.6	4.7
14,166.0	87.58	178.15	12,607.2	-1,397.1	471.4	1.09	-1.02	-0.38	-20.4	6.8
14,261.0	89.52	178.68	12,609.6	-1,492.0	474.0	2.12	2.04	0.56	-17.0	8.7
14,357.0	90.22	177.80	12,609.8	-1,588.0	477.0	1.17	0.73	-0.92	-15.8	10.9
14,452.0	90.22	177.45	12,609.4	-1,682.9	480.9	0.37	0.00	-0.37	-15.2	14.2
14,547.0	89.78	177.28	12,609.4	-1,777.8	485.3	0.50	-0.46	-0.18	-14.3	17.8
14,643.0	90.40	178.68	12,609.3	-1,873.7	488.7	1.59	0.65	1.46	-13.4	20.5
14,738.0	90.04	179.74	12,608.9	-1,968.7	490.0	1.18	-0.38	1.12	-12.8	21.1
14,834.0	90.04	179.38	12,608.8	-2,064.7	490.7	0.37	0.00	-0.37	-11.9	21.2



Final PVA Report

Company: EOG Resources - Midland		Local Co-ordinate Reference: Well #726H								
Project: Lea County, NM (NAD 83 NME)		TVD Reference: KB = 22' @ 3566.0usft								
Site: Savage 2 State Com		MD Reference: KB = 22' @ 3566.0usft								
Well: #726H		North Reference: Grid								
Wellbore: OH		Survey Calculation Method: Minimum Curvature								
Design: OH		Database: EDM 5000.14								
Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,929.0	90.84	179.38	12,608.1	-2,159.7	491.7	0.84	0.84	0.00	-11.7	21.5
15,024.0	91.10	179.56	12,606.5	-2,254.7	492.6	0.33	0.27	0.19	-12.3	21.7
15,120.0	92.68	180.62	12,603.3	-2,350.6	492.5	1.98	1.65	1.10	-14.5	20.8
15,215.0	91.10	180.97	12,600.2	-2,445.6	491.1	1.70	-1.66	0.37	-16.7	18.8
15,234.4	90.82	180.79	12,599.9	-2,465.0	490.8	1.73	-1.47	-0.92	-16.8	18.3
TGT 2 (Savage 2 State Com #726H)										
15,311.0	89.69	180.09	12,599.5	-2,541.6	490.3	1.73	-1.47	-0.92	-16.7	17.2
15,407.0	89.96	179.56	12,599.8	-2,637.6	490.5	0.62	0.28	-0.55	-15.8	16.8
15,502.0	90.84	179.56	12,599.2	-2,732.6	491.3	0.93	0.93	0.00	-15.8	16.8
15,597.0	90.92	178.86	12,597.7	-2,827.5	492.6	0.74	0.08	-0.74	-16.7	17.4
15,693.0	91.36	179.38	12,595.8	-2,923.5	494.1	0.71	0.46	0.54	-18.0	18.2
15,788.0	91.98	179.74	12,593.0	-3,018.5	494.8	0.75	0.65	0.38	-20.1	18.2
15,883.0	91.01	177.80	12,590.5	-3,113.4	496.8	2.28	-1.02	-2.04	-22.0	19.5
15,979.0	88.90	177.45	12,590.6	-3,209.3	500.8	2.23	-2.20	-0.36	-21.3	22.8
16,073.0	89.16	180.26	12,592.2	-3,303.3	502.7	3.00	0.28	2.99	-19.1	24.0
16,169.0	90.40	180.97	12,592.6	-3,399.3	501.7	1.49	1.29	0.74	-18.2	22.2
16,265.0	90.40	184.48	12,591.9	-3,495.1	497.1	3.66	0.00	3.66	-18.2	16.9
16,360.0	91.28	184.31	12,590.5	-3,589.8	489.8	0.94	0.93	-0.18	-19.0	9.0
16,440.5	89.86	184.61	12,589.7	-3,670.1	483.6	1.81	-1.77	0.37	-19.3	2.1
TGT 3 (Savage 2 State Com #726H)										
16,455.0	89.60	184.66	12,589.8	-3,684.5	482.4	1.81	-1.77	0.37	-19.1	0.8
16,551.0	89.52	181.32	12,590.5	-3,780.4	477.4	3.48	-0.08	-3.48	-17.2	-4.8
16,646.0	92.24	182.37	12,589.1	-3,875.3	474.3	3.07	2.86	1.11	-17.5	-8.6
16,742.0	91.80	182.37	12,585.7	-3,971.2	470.4	0.46	-0.46	0.00	-19.7	-13.3
16,837.0	88.64	179.38	12,585.3	-4,066.2	468.9	4.58	-3.33	-3.15	-18.9	-15.4
16,932.0	90.84	179.21	12,585.7	-4,161.1	470.1	2.32	2.32	-0.18	-17.3	-15.0
17,028.0	91.01	178.68	12,584.2	-4,257.1	471.8	0.58	0.18	-0.55	-17.7	-13.9



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #726H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3566.0usft
Site:	Savage 2 State Com	MD Reference:	KB = 22' @ 3566.0usft
Well:	#726H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey	MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
	17,123.0		179.38	12,583.1	-4,352.1	473.4	1.04	-0.74	0.74	-17.6	-13.0
	17,218.0	89.96	181.32	12,582.9	-4,447.1	472.9	2.08	-0.37	2.04	-16.7	-14.3
	17,314.0	90.04	181.85	12,582.9	-4,543.0	470.2	0.56	0.08	0.55	-15.5	-17.6
	17,409.0	88.46	182.02	12,584.1	-4,638.0	467.0	1.67	-1.66	0.18	-13.1	-21.5
	17,504.0	90.04	182.55	12,585.4	-4,732.9	463.2	1.75	1.66	0.56	-10.7	-26.0
	17,534.0	89.52	182.72	12,585.5	-4,762.9	461.8	1.82	-1.73	0.57	-10.2	-27.6
Final MWD Survey (MD=17534.0')											
	17,589.0	89.52	182.72	12,585.9	-4,817.8	459.2	0.00	0.00	0.00	-9.1	-30.6
Final Projection to Bit (MD=17589.0') - PBHL (Savage 2 State Com #726H)											

Design Annotations					Local Coordinates		Vertical		+E/-W		Comment	
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)									
12,299.0	12,264.2	261.4	422.3	HL Crossing, MD:12299.0'	TVD:12264.2'	N/S:261.4'	E/W:422.3'	INC:16.31				
17,534.0	12,585.5	-4,762.9	461.8	Final MWD Survey (MD=17534.0')								
17,589.0	12,585.9	-4,817.8	459.2	Final Projection to Bit (MD=17589.0')								

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 #726H

Plan #1



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

Magnetic Field
Strength: 47666.2nT
Dip Angle: 69.37°
Date: 8/13/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.37°
To convert a Magnetic Direction to a True Direction, Add 6.74° East
To convert a True Direction to a Grid Direction, Subtract 0.37°

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: #726H

KB = 22' @ 3566.0usft 3544.0
Northing 424762.00 Easting 755578.00
Latitude 32° 5' 57.078 N Longitude 103° 58' 27.468 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	1700.0	6.00	55.38	1699.5	8.9	12.9	2.00	55.38	-7.6	
4	6653.2	6.00	55.38	6625.5	303.1	439.1	0.00	0.00	-257.1	
5	6953.2	0.00	0.00	6925.0	312.0	452.0	2.00	180.00	-264.7	
6	12188.7	0.00	0.00	12160.5	312.0	452.0	0.00	0.00	-264.7	KOP (Savage 2 State Com #726H)
7	12942.2	90.41	179.58	12638.0	-168.9	455.6	12.00	179.58	214.1	TGT 1 (Savage 2 State Com #726H)
8	13631.1	90.41	179.58	12633.0	-857.8	460.6	0.00	0.00	900.0	TGT 2 (Savage 2 State Com #726H)
9	13639.6	90.58	179.58	12632.9	-866.3	460.7	2.00	0.00	908.4	TGT 3 (Savage 2 State Com #726H)
10	15238.4	90.58	179.58	12616.7	-2454.9	472.5	0.00	2500.00	2510.8	PBHL (Savage 2 State Com #726H)
11	15249.2	90.37	179.58	12616.6	-2475.7	472.6	2.00	180.00	2510.8	
12	16443.6	90.37	179.58	12609.0	-3670.1	481.4	0.00	0.00	3700.0	
13	16460.4	90.70	179.58	12608.8	-3686.8	481.5	2.00	0.00	3716.6	
14	17593.6	90.70	179.58	12595.0	-4820.0	489.9	0.00	0.00	4844.8	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP (Savage 2 State Com #726H)	12160.5	312.0	452.0	425074.00	755601.00
TGT 1 (Savage 2 State Com #726H)	12633.0	-857.8	460.6	423904.20	755035.64
TGT 2 (Savage 2 State Com #726H)	12616.7	-2454.9	472.5	422287.10	756091.61
TGT 3 (Savage 2 State Com #726H)	12609.0	-3670.1	481.4	421091.80	756060.41
PBHL (Savage 2 State Com #726H)	12595.0	-4820.0	489.9	419942.00	756065.90
FTP (Savage 2 State Com #726H)	12638.0	262.0	452.0	426024.00	756031.00

