Rec'd 9/9/2020 - NMOCD

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	[2]Pool Code	[3]Pool Name
30-025-46522	98094	BOBCAT DRAW; UPPER WOLFCAMP

[4]Property Code	[5]Property Name	[6]Well Number
326480	JAVELINA 30 FED COM	707H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3323'

[10]Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	30	25-S	34-E	-	2581'	SOUTH	451'	EAST	LEA

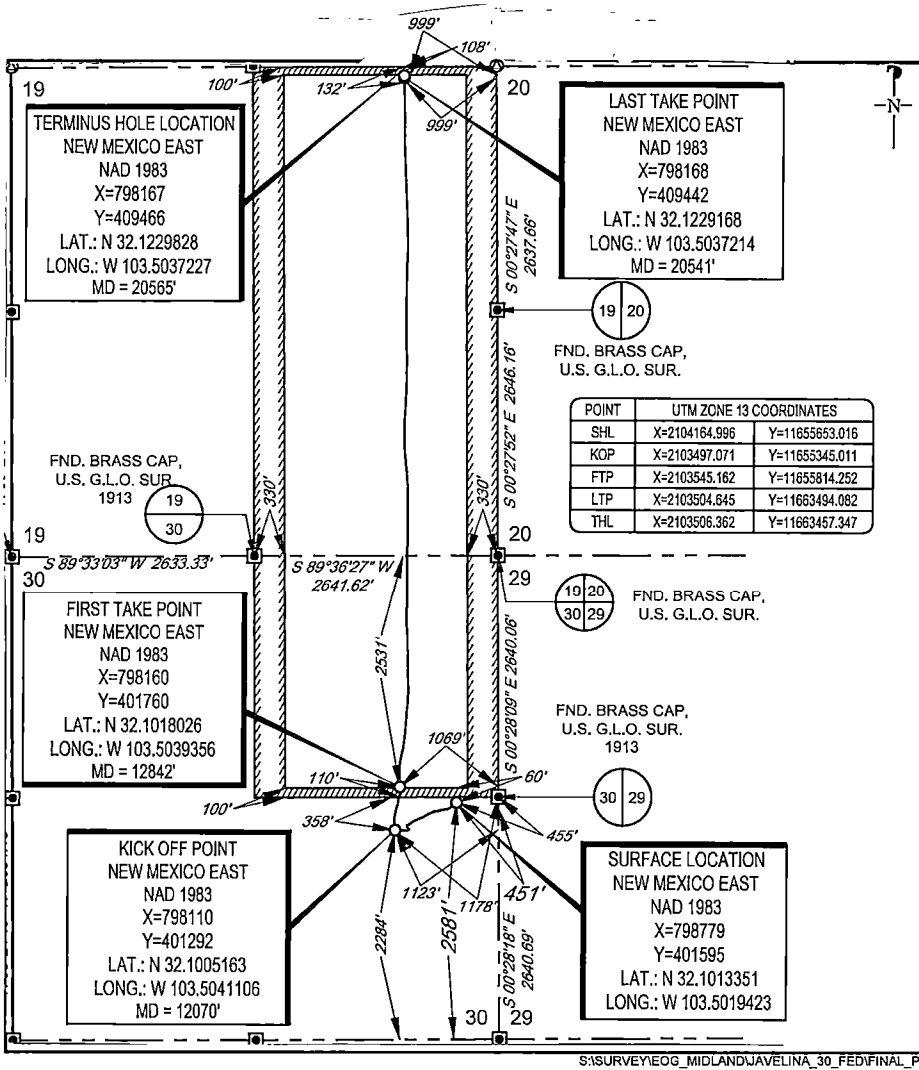
[11]Bottom Hole Location If Different From Surface

SL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	19	25-S	34-E	-	108'	NORTH	999'	EAST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
480.00			

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.



[17]OPERATOR 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 09/03/2020
Signature Date

KAY MADDOX
Printed Name

kay_maddox@eogresources.com
E-mail Address

[18]SURVEYOR 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.

03/04/2019
Date of Survey
Signature and Seal of Professional Surveyor

MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

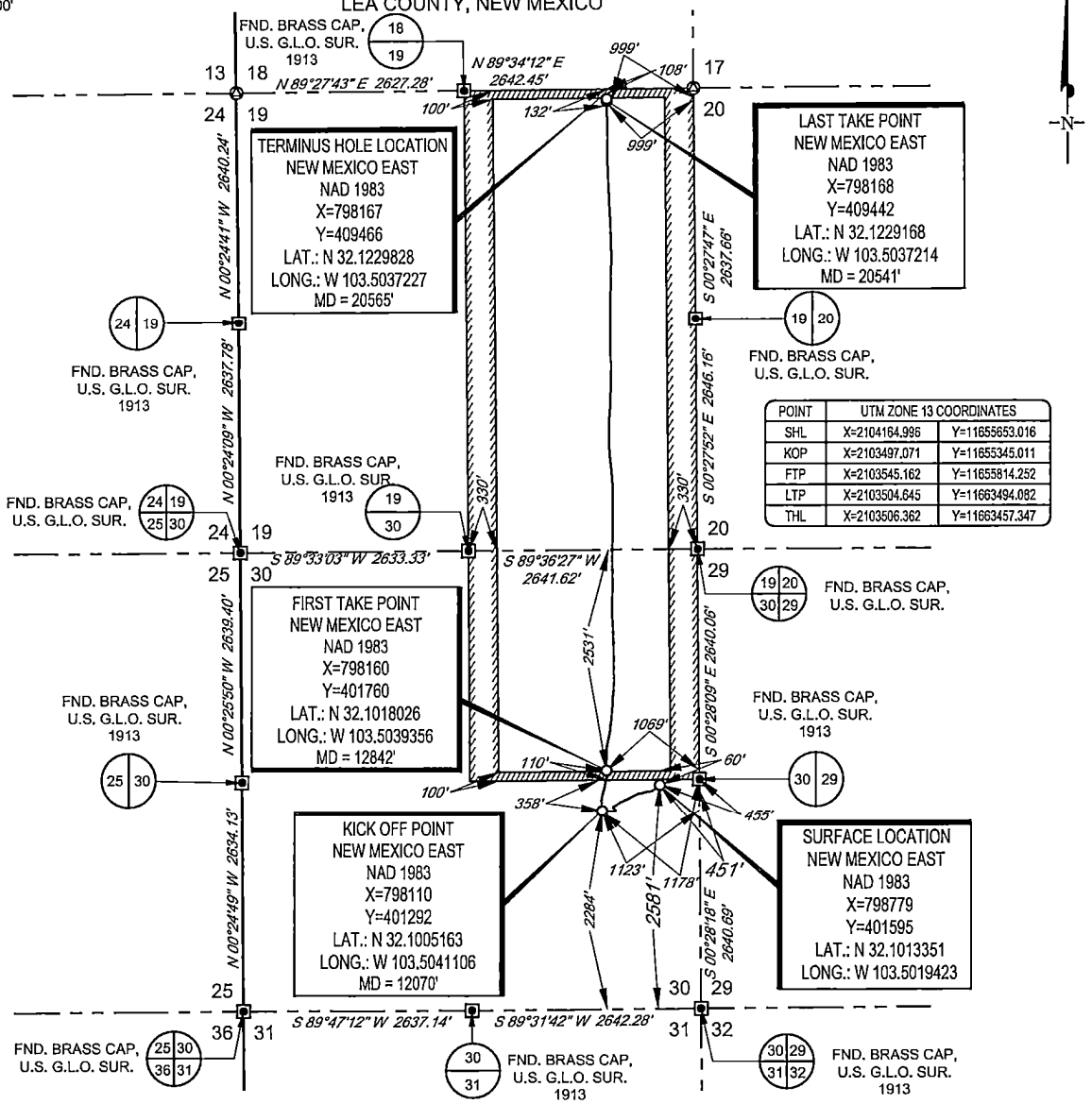
Certificate Number

S:\SURVEY\EOG_MIDLAND\JAVELINA_30_FED\FINAL_PRODUCTS\LO_JAVELINA30FEDCOM_707H_REV1.DWG 4/8/2019 4:11:40 PM kanthony

SCALE: 1" = 2000'

0' 1000' 2000'

SECTION 30, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



POINT	UTM ZONE 13 COORDINATES	
SHL	X=2104164.996	Y=11655653.016
KOP	X=2103497.071	Y=11655345.011
FTP	X=2103545.162	Y=11655814.252
LTP	X=2103504.645	Y=11663494.082
THL	X=2103506.362	Y=11663457.347

LEASE NAME & WELL NO.: JAVELINA 30 FED #707H

SECTION 30 TWP 25-S RGE 34-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3323'

DESCRIPTION 2581' FSL & 451' FEL

RAMON A. DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR

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

Ramon A. Dominguez, P.S. No. 24508
MARCH 04, 2020

eog resources, inc.

JAVELINA 30 FED COM #707H AS-COMPLETE	REVISION:
DATE: 03/04/2020	
FILE: AD_JAVELINA_30_FED_707H	
DRAWN BY: JLS	
SHEET: 1 OF 1	

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.

S:\SURVEY\EOG_MIDLAND\JAVELINA_30_FED\FINAL_PRODUCTS\AD_JAVELINA_30_FED_707H.DWG 3/4/2020 4:43:34 PM eochoa

Intent [ ] As Drilled [XXX]

API #
30-025-46522

Operator Name:	Property Name:	Well Number
EOG RESOURCES, INC	JAVELINA 30 FEDERAL COM	707H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
I	30	25S	34E		2284	SOUTH	1123	EAST	LEA

Latitude	Longitude	NAD
32.1005163	103.5041106	1983

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
H	30	25S	34E		2531	NORTH	1069	EAST	LEA

Latitude	Longitude	NAD
32.1018026	103.5039356	1983

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	19	25S	34E		132	NORTH	999	EAST	LEA

Latitude	Longitude	NAD
32.1229168	103.5037214	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 #
30-025-46521

Operator Name:	Property Name:	Well Number
EOG RESOURCES, INC	JAVELINA 30 FEDERAL COM	706H

KZ 06/29/2018

eog resources

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Javelina 30 Fed Com
#707H
OH

Design: OH

Midland PVA

06 January, 2020

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3345.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 22' @ 3345.0usft
Well:	#707H	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 Javelina 30 Fed Com

Site Position:		Northing:	401,033.00 usft	Latitude:	32° 5' 59.363 N
From:	Map	Easting:	797,236.00 usft	Longitude:	103° 30' 24.979 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.44 °

Well #707H

Well Position	+N/-S	0.0 usft	Northing:	401,595.00 usft	Latitude:	32° 6' 4.807 N
	+E/-W	0.0 usft	Easting:	798,779.00 usft	Longitude:	103° 30' 6.991 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,323.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/12/2019	6.64	59.93	47,617.79929587

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	355.61

Survey Program Date 1/6/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
140.0	20,565.0	Total Directional (OH)	EOG MWD+IFR1	MWD + IFR1

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3345.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 22' @ 3345.0usft
Well:	#707H	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)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
140.0	1.30	174.60	140.0	-1.6	0.1	0.93	0.93	0.00	-1.6	0.0
320.0	2.30	162.20	319.9	-7.1	1.4	0.59	0.56	-6.89	-7.2	-0.8
509.0	3.00	266.20	508.8	-11.0	-2.3	2.22	0.37	55.03	-3.1	10.8
699.0	5.80	256.30	698.2	-13.6	-16.6	1.52	1.47	-5.21	-19.4	9.3
890.0	7.40	235.20	888.0	-22.9	-36.1	1.51	0.84	-11.05	-42.7	-1.8
1,006.0	10.00	227.40	1,002.6	-34.0	-49.7	2.46	2.24	-6.72	-59.5	-8.7
1,176.0	11.00	226.20	1,169.8	-55.2	-72.2	0.60	0.59	-0.71	-89.5	-10.0
1,366.0	11.30	259.70	1,356.4	-71.1	-103.7	3.37	0.16	17.63	-103.2	48.2
1,557.0	9.90	257.70	1,544.1	-77.9	-138.1	0.76	-0.73	-1.05	-116.6	37.6
1,747.0	9.90	257.70	1,731.3	-84.9	-170.0	0.00	0.00	0.00	-120.4	30.5
1,938.0	10.40	258.70	1,919.3	-91.8	-203.0	0.28	0.26	0.52	-124.7	25.1
2,128.0	10.40	259.30	2,106.2	-98.3	-236.6	0.06	0.00	0.32	-130.2	18.6
2,318.0	10.50	246.70	2,293.0	-108.4	-269.4	1.20	0.05	-6.63	-135.6	-15.2
2,508.0	11.00	242.80	2,479.7	-123.5	-301.4	0.46	0.26	-2.05	-140.0	-24.9
2,699.0	10.90	243.90	2,667.2	-139.8	-333.8	0.12	-0.05	0.58	-147.0	-22.0
2,889.0	10.00	243.00	2,854.1	-155.2	-364.7	0.48	-0.47	-0.47	-151.4	-24.2
3,079.0	8.40	243.70	3,041.6	-168.8	-391.8	0.84	-0.84	0.37	-152.4	-22.1
3,270.0	6.90	243.00	3,230.9	-180.2	-414.6	0.79	-0.79	-0.37	-147.6	-23.8
3,461.0	7.30	248.00	3,420.5	-189.9	-436.0	0.39	0.21	2.62	-142.8	-12.2
3,556.0	6.90	246.70	3,514.7	-194.5	-446.9	0.45	-0.42	-1.37	-139.4	-16.3
3,747.0	10.10	238.10	3,703.6	-207.8	-471.6	1.80	1.68	-4.50	-133.8	-35.5
3,937.0	9.60	236.60	3,890.8	-225.4	-499.0	0.30	-0.26	-0.79	-135.8	-35.7
4,128.0	5.30	236.40	4,080.2	-239.0	-519.6	2.25	-2.25	-0.10	-130.8	-32.5
4,319.0	4.20	233.10	4,270.5	-248.1	-532.6	0.59	-0.58	-1.73	-115.1	-34.9
4,510.0	2.70	224.40	4,461.2	-255.5	-541.3	0.83	-0.79	-4.55	-91.6	-43.1
4,700.0	3.10	136.60	4,651.0	-262.5	-540.9	2.12	0.21	-46.21	-25.0	-69.4

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3345.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 22' @ 3345.0usft
Well:	#707H	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)
4,891.0	5.10	130.20	4,841.5	-271.7	-530.9	1.07	1.05	-3.35	7.0	-39.3
5,082.0	6.20	149.00	5,031.6	-286.0	-519.1	1.12	0.58	9.84	-26.2	-7.2
5,272.0	3.10	236.60	5,221.1	-297.6	-518.1	3.59	-1.63	46.11	15.5	39.9
5,463.0	5.20	267.40	5,411.6	-300.9	-531.1	1.57	1.10	16.13	48.0	17.1
5,654.0	5.20	267.00	5,601.8	-301.7	-548.4	0.02	0.00	-0.21	58.2	5.6
5,844.0	5.20	265.80	5,791.0	-302.8	-565.5	0.06	0.00	-0.63	68.5	-4.5
6,035.0	5.30	266.90	5,981.2	-303.9	-583.0	0.07	0.05	0.58	78.5	-17.4
6,226.0	2.50	288.00	6,171.8	-303.1	-595.8	1.62	-1.47	11.05	73.9	-60.3
6,416.0	1.90	314.30	6,361.7	-299.6	-602.0	0.61	-0.32	13.84	37.4	-98.9
6,606.0	1.60	316.80	6,551.6	-295.5	-606.0	0.16	-0.16	1.32	27.9	-102.7
6,796.0	1.80	312.80	6,741.5	-291.5	-610.0	0.12	0.11	-2.11	29.3	-100.7
6,986.0	1.90	312.80	6,931.4	-287.4	-614.5	0.05	0.05	0.00	23.2	-100.7
7,081.0	1.90	317.50	7,026.3	-285.1	-616.7	0.16	0.00	4.95	11.7	-102.2
7,271.0	1.80	323.80	7,216.2	-280.4	-620.6	0.12	-0.05	3.32	-5.7	-102.5
7,460.0	1.40	325.20	7,405.2	-276.1	-623.7	0.21	-0.21	0.74	-13.4	-102.2
7,650.0	0.70	305.20	7,595.1	-273.5	-626.0	0.41	-0.37	-10.53	19.0	-101.5
7,839.0	0.70	304.80	7,784.1	-272.2	-627.9	0.00	0.00	-0.21	17.4	-101.3
8,030.0	0.60	257.40	7,975.1	-271.8	-629.8	0.28	-0.05	-24.82	84.6	-56.6
8,221.0	0.90	230.40	8,166.1	-272.9	-631.9	0.24	0.16	-14.14	98.7	-12.5
8,285.6	0.97	218.14	8,230.7	-273.7	-632.7	0.33	0.10	-18.97	98.1	8.6
Brushy Top(Jave 30 FC #707H)										
8,412.0	1.20	200.00	8,357.1	-275.8	-633.8	0.33	0.18	-14.36	88.2	38.4
8,602.0	0.90	221.30	8,547.0	-278.8	-635.4	0.26	-0.16	11.21	92.7	4.5
8,793.0	1.20	204.70	8,738.0	-281.7	-637.3	0.22	0.16	-8.69	84.2	30.3
8,985.0	1.30	213.00	8,929.9	-285.4	-639.3	0.11	0.05	4.32	83.5	18.2
9,176.0	0.90	218.70	9,120.9	-288.4	-641.4	0.22	-0.21	2.98	81.2	10.0
9,366.0	0.80	210.80	9,310.9	-290.7	-643.0	0.08	-0.05	-4.16	76.3	20.9

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3345.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 22' @ 3345.0usft
Well:	#707H	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)
9,557.0	0.50	278.30	9,501.9	-291.7	-644.5	0.40	-0.16	35.34	47.1	-61.3
9,747.0	0.60	287.50	9,691.9	-291.3	-646.3	0.07	0.05	4.84	34.9	-67.9
9,938.0	1.30	286.30	9,882.8	-290.4	-649.3	0.37	0.37	-0.63	33.1	-67.2
10,129.0	1.90	253.90	10,073.8	-290.6	-654.5	0.56	0.31	-16.96	59.0	-40.1
10,224.0	2.40	235.20	10,168.7	-292.2	-657.6	0.90	0.53	-19.68	65.2	-19.6
10,415.0	1.90	232.60	10,359.6	-296.4	-663.4	0.27	-0.26	-1.36	58.9	-16.8
10,606.0	2.10	203.20	10,550.5	-301.5	-667.3	0.54	0.10	-15.39	53.3	12.7
10,796.0	2.50	205.00	10,740.3	-308.5	-670.4	0.21	0.21	0.95	46.0	11.2
10,987.0	1.80	193.70	10,931.2	-315.2	-672.9	0.43	-0.37	-5.92	35.9	19.2
11,082.0	1.00	183.70	11,026.1	-317.5	-673.3	0.88	-0.84	-10.53	29.7	24.8
11,178.0	0.80	66.70	11,122.1	-318.0	-672.7	1.60	-0.21	-121.87	-35.9	14.4
11,368.0	2.30	54.80	11,312.1	-315.3	-668.4	0.80	0.79	-6.26	-43.2	6.5
11,559.0	0.90	13.10	11,503.0	-311.6	-664.9	0.91	-0.73	-21.83	-40.9	-26.5
11,750.0	0.90	305.80	11,694.0	-309.3	-665.8	0.52	0.00	-35.24	6.6	-49.4
11,940.0	1.50	338.80	11,883.9	-306.1	-667.9	0.47	0.32	17.37	-25.1	-44.2
12,053.0	1.20	334.70	11,996.9	-303.7	-669.0	0.28	-0.27	-3.63	-24.6	-45.9
12,070.0	2.74	346.84	12,013.9	-303.1	-669.1	9.34	9.06	71.39	-34.2	-39.7
KOP, MD:12070.0', TVD:12013.9',N/S:-303.1', E/W:-669.1', INC:2.74										
12,148.0	10.00	353.50	12,091.4	-294.6	-670.3	9.34	9.31	8.54	-47.0	-35.6
12,243.0	23.30	356.80	12,182.2	-267.5	-672.3	14.03	14.00	3.47	-73.2	-32.1
12,338.0	36.00	0.70	12,264.6	-220.6	-673.0	13.52	13.37	4.11	-102.4	-19.8
12,433.0	44.60	5.20	12,337.0	-159.3	-669.6	9.55	9.05	4.74	-124.9	-1.9
12,529.0	51.20	15.30	12,401.4	-89.5	-656.7	10.39	6.87	10.52	-132.1	18.3
12,624.0	50.70	13.30	12,461.2	-18.0	-638.5	1.72	-0.53	-2.11	-119.9	13.7
12,719.0	53.20	7.20	12,519.8	55.5	-625.2	5.70	2.63	-6.42	-85.7	16.2
12,719.2	53.20	7.20	12,519.9	55.7	-625.2	0.00	0.00	0.00	-85.6	16.3
LL Crossing, MD:12719.2', TVD:12519.9',N/S:55.7', E/W:-625.2', INC:53.20										

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3345.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 22' @ 3345.0usft
Well:	#707H	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)
12,814.0	67.80	1.70	12,566.5	137.7	-619.1	16.20	15.40	-5.80	-44.8	29.1
12,833.6	69.36	1.06	12,573.7	156.0	-618.7	8.54	7.98	-3.27	-37.6	32.1
FTP Crossing, MD:12833.6', TVD:12573.7',N/S:156.0', E/W:-618.7', INC:69.36										
12,844.8	70.26	0.70	12,577.5	166.4	-618.5	8.54	7.99	-3.22	-33.8	33.9
FTP(Javelina 30 FC #707H)										
12,909.0	75.40	358.70	12,596.5	227.8	-618.9	8.54	8.01	-3.11	-15.1	45.7
13,004.0	87.30	358.00	12,610.7	321.5	-621.6	12.55	12.53	-0.74	2.6	63.1
13,099.0	94.40	8.70	12,609.3	416.1	-616.0	13.51	7.47	11.26	3.3	67.1
13,195.0	90.70	14.90	12,605.0	509.9	-596.4	7.51	-3.85	6.46	1.4	52.1
13,290.0	92.10	7.90	12,602.7	603.0	-577.7	7.51	1.47	-7.37	1.0	33.6
13,385.0	87.30	5.10	12,603.2	697.3	-566.9	5.85	-5.05	-2.95	3.8	22.0
13,481.0	88.30	5.10	12,606.9	792.9	-558.4	1.04	1.04	0.00	9.4	12.7
13,576.0	92.30	3.70	12,606.4	887.6	-551.1	4.46	4.21	-1.47	10.9	4.7
13,671.0	88.90	3.90	12,605.4	982.3	-544.8	3.59	-3.58	0.21	11.9	-2.3
13,766.0	88.60	4.60	12,607.5	1,077.1	-537.8	0.80	-0.32	0.74	16.0	-10.1
13,837.1	88.16	2.60	12,609.5	1,148.0	-533.3	2.88	-0.63	-2.81	19.5	-15.2
TGT#1(Javelina 30 FC #707H)										
13,862.0	88.00	1.90	12,610.3	1,172.8	-532.3	2.88	-0.62	-2.81	20.7	-16.4
13,957.0	89.20	358.90	12,612.7	1,267.8	-531.7	3.40	1.26	-3.16	24.6	-17.8
14,052.0	89.50	357.90	12,613.7	1,362.8	-534.3	1.10	0.32	-1.05	27.3	-16.0
14,147.0	93.80	358.80	12,611.0	1,457.7	-537.1	4.62	4.53	0.95	26.1	-14.0
14,243.0	90.90	359.90	12,607.1	1,553.6	-538.1	3.23	-3.02	1.15	23.8	-13.7
14,338.0	90.50	359.40	12,605.9	1,648.6	-538.7	0.67	-0.42	-0.53	24.2	-13.9
14,433.0	92.10	358.50	12,603.7	1,743.5	-540.5	1.93	1.68	-0.95	23.6	-13.0
14,529.0	92.40	357.40	12,600.0	1,839.4	-543.9	1.19	0.31	-1.15	21.5	-10.3
14,624.0	90.00	354.70	12,598.0	1,934.1	-550.4	3.80	-2.53	-2.84	21.0	-4.6
14,719.0	95.20	1.30	12,593.7	2,028.9	-553.8	8.84	5.47	6.95	18.3	-2.0

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3345.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 22' @ 3345.0usft
Well:	#707H	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)
14,815.0	93.20	1.00	12,586.6	2,124.6	-551.8	2.11	-2.08	-0.31	12.9	-4.7
14,910.0	91.00	0.10	12,583.2	2,219.5	-550.9	2.50	-2.32	-0.95	11.0	-6.4
15,005.0	91.80	359.90	12,580.8	2,314.5	-550.9	0.87	0.84	-0.21	10.2	-7.2
15,101.0	89.70	0.00	12,579.6	2,410.5	-551.0	2.19	-2.19	0.10	10.5	-7.9
15,196.0	90.10	359.90	12,579.8	2,505.5	-551.1	0.43	0.42	-0.11	12.3	-8.6
15,292.0	90.20	359.60	12,579.5	2,601.5	-551.5	0.33	0.10	-0.31	13.6	-9.0
15,387.0	91.90	1.30	12,577.8	2,696.4	-550.8	2.53	1.79	1.79	13.5	-10.5
15,482.0	88.80	0.70	12,577.2	2,791.4	-549.1	3.32	-3.26	-0.63	14.5	-13.0
15,577.0	88.70	0.20	12,579.3	2,886.4	-548.4	0.54	-0.11	-0.53	18.1	-14.5
15,673.0	89.10	0.20	12,581.1	2,982.4	-548.0	0.42	0.42	0.00	21.5	-15.6
15,768.0	90.90	0.30	12,581.1	3,077.4	-547.6	1.90	1.89	0.11	23.1	-16.8
15,864.0	91.20	0.30	12,579.3	3,173.3	-547.1	0.31	0.31	0.00	23.0	-18.1
15,959.0	91.50	0.60	12,577.1	3,268.3	-546.4	0.45	0.32	0.32	22.3	-19.6
16,054.0	90.80	359.30	12,575.2	3,363.3	-546.4	1.55	-0.74	-1.37	22.0	-20.4
16,149.0	89.30	358.40	12,575.1	3,458.3	-548.4	1.84	-1.58	-0.95	23.5	-19.2
16,245.0	86.30	354.20	12,578.8	3,554.0	-554.5	5.37	-3.12	-4.37	28.7	-13.8
16,247.6	86.32	354.20	12,579.0	3,556.6	-554.8	0.85	0.84	0.11	29.0	-13.6
TGT#2(Javelina 30 FC #707H)										
16,340.0	87.10	354.30	12,584.3	3,648.3	-564.0	0.85	0.84	0.11	35.1	-5.1
16,435.0	90.50	354.30	12,586.3	3,742.8	-573.5	3.58	3.58	0.00	37.8	3.5
16,530.0	94.50	355.60	12,582.1	3,837.3	-581.8	4.43	4.21	1.37	34.4	11.1
16,625.0	93.50	359.30	12,575.5	3,932.0	-586.0	4.03	-1.05	3.89	28.4	14.6
16,720.0	94.60	359.50	12,568.8	4,026.8	-587.0	1.18	1.16	0.21	22.4	14.8
16,815.0	93.10	1.00	12,562.4	4,121.5	-586.6	2.23	-1.58	1.58	16.8	13.6
16,911.0	92.50	4.00	12,557.7	4,217.3	-582.4	3.18	-0.62	3.12	12.8	8.6
17,004.0	91.20	4.20	12,554.7	4,310.0	-575.8	1.41	-1.40	0.22	10.5	1.2
17,101.0	88.00	2.20	12,555.4	4,406.9	-570.4	3.89	-3.30	-2.06	12.0	-5.0

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3345.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 22' @ 3345.0usft
Well:	#707H	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)
17,197.0	90.40	0.60	12,556.7	4,502.8	-568.0	3.00	2.50	-1.67	14.0	-8.2
17,292.0	90.40	1.30	12,556.1	4,597.8	-566.5	0.74	0.00	0.74	14.1	-10.5
17,433.0	89.70	0.10	12,555.9	4,738.8	-564.7	0.99	-0.50	-0.85	15.0	-13.4
17,509.0	89.90	359.30	12,556.2	4,814.8	-565.1	1.09	0.26	-1.05	15.9	-13.7
17,549.5	90.20	358.96	12,556.2	4,855.2	-565.7	1.12	0.74	-0.84	16.2	-13.4
TGT#3(Javelina 30 FC #707H)										
17,604.0	90.60	358.50	12,555.8	4,909.8	-567.0	1.12	0.74	-0.84	16.5	-12.6
17,699.0	91.40	358.60	12,554.1	5,004.7	-569.4	0.85	0.84	0.11	16.3	-11.0
17,795.0	88.90	358.60	12,553.9	5,100.7	-571.7	2.60	-2.60	0.00	17.5	-9.4
17,890.0	89.80	358.80	12,554.9	5,195.6	-573.9	0.97	0.95	0.21	20.0	-8.1
17,985.0	88.30	0.10	12,556.5	5,290.6	-574.8	2.09	-1.58	1.37	23.0	-7.9
18,081.0	89.50	1.50	12,558.4	5,386.6	-573.4	1.92	1.25	1.46	26.3	-10.1
18,176.0	86.00	0.50	12,562.1	5,481.5	-571.8	3.83	-3.68	-1.05	31.5	-12.6
18,272.0	86.80	1.00	12,568.1	5,577.3	-570.5	0.98	0.83	0.52	38.9	-14.6
18,367.0	87.90	0.90	12,572.5	5,672.2	-568.9	1.16	1.16	-0.11	44.8	-16.9
18,462.0	91.50	2.00	12,573.0	5,767.1	-566.5	3.96	3.79	1.16	46.7	-20.1
18,558.0	91.90	1.80	12,570.2	5,863.0	-563.4	0.47	0.42	-0.21	45.3	-24.0
18,653.0	90.70	0.20	12,568.0	5,958.0	-561.7	2.10	-1.26	-1.68	44.6	-26.5
18,748.0	91.70	0.90	12,566.0	6,053.0	-560.8	1.28	1.05	0.74	44.0	-28.2
18,844.0	92.10	359.70	12,562.8	6,148.9	-560.3	1.32	0.42	-1.25	42.3	-29.5
18,939.0	91.70	357.50	12,559.7	6,243.8	-562.6	2.35	-0.42	-2.32	40.6	-28.0
19,034.0	89.10	358.70	12,559.0	6,338.8	-565.8	3.01	-2.74	1.26	41.3	-25.6
19,130.0	88.30	357.60	12,561.2	6,434.7	-568.9	1.42	-0.83	-1.15	45.0	-23.3
19,225.0	89.10	357.10	12,563.4	6,529.5	-573.3	0.99	0.84	-0.53	48.5	-19.7
19,320.0	88.30	357.90	12,565.5	6,624.4	-577.4	1.19	-0.84	0.84	52.1	-16.4
19,486.0	88.30	357.70	12,570.4	6,790.2	-583.8	0.12	0.00	-0.12	59.6	-11.4

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #707H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3345.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 22' @ 3345.0usft
Well:	#707H	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)
19,544.2	90.39	357.46	12,571.1	6,848.4	-586.2	3.61	3.58	-0.42	61.1	-9.4
TGT#4(Javelina 30 FC #707H)										
19,606.0	92.60	357.20	12,569.5	6,910.1	-589.1	3.61	3.58	-0.42	60.7	-7.0
19,702.0	92.90	357.00	12,564.9	7,005.9	-594.0	0.38	0.31	-0.21	58.0	-3.0
19,892.0	91.00	359.30	12,558.4	7,195.6	-600.1	1.57	-1.00	1.21	55.2	1.6
19,987.0	91.40	359.80	12,556.4	7,290.6	-600.8	0.67	0.42	0.53	55.1	1.6
20,083.0	87.00	358.80	12,557.8	7,386.6	-602.0	4.70	-4.58	-1.04	58.3	2.0
20,178.0	88.30	359.30	12,561.7	7,481.5	-603.6	1.47	1.37	0.53	64.1	2.8
20,369.0	91.20	358.60	12,562.5	7,672.4	-607.1	1.56	1.52	-0.37	68.6	4.7
20,506.0	91.20	358.60	12,559.6	7,809.3	-610.4	0.00	0.00	0.00	68.5	6.9
Last MWD Survey (MD=20506.0')										
20,565.0	91.20	358.60	12,558.4	7,868.3	-611.9	0.00	0.00	0.00	68.4	7.8
Projection to Bit (MD=20565.0') - PBHL(Javelina 30 FC #707H)										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
12,070.0	12,013.9	-303.1	-669.1	KOP, MD:12070.0', TVD:12013.9',N/S:-303.1', E/W:-669.1', INC:2.74
12,719.2	12,519.9	55.7	-625.2	LL Crossing, MD:12719.2', TVD:12519.9',N/S:55.7', E/W:-625.2', INC:53.20
12,833.6	12,573.7	156.0	-618.7	FTP Crossing, MD:12833.6', TVD:12573.7',N/S:156.0', E/W:-618.7', INC:69.36
20,506.0	12,559.6	7,809.3	-610.4	Last MWD Survey (MD=20506.0')
20,565.0	12,558.4	7,868.3	-611.9	Projection to Bit (MD=20565.0')

Checked By: _____ Approved By: _____ Date: _____

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

Kay Maddox 9/5/2020

Signed *Date*

eog resources

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

Lea County, NM (NAD 83 NME)

Javelina 30 Fed Com #707H

Plan #1

Azimuths to Grid North
True North: -0.44°
Magnetic North: 6.20°

Magnetic Field
Strength: 47617.8nT
Dip Angle: 59.93°
Date: 12/12/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.20°
To convert a Magnetic Direction to a True Direction, Add 6.64° East
To convert a True Direction to a Grid Direction, Subtract 0.44°

WELL DETAILS: #707H

3323.0
KB = 22' @ 3345.0usft

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	401595.00	798779.00	32° 6' 4.807 N	103° 30' 6.991 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1100.0	0.00	0.00	1100.0	0.0	0.0	0.00	0.00	0.0	
3	1550.0	9.00	243.73	1548.1	-15.6	-31.6	2.00	243.73	-13.1	
4	6089.6	9.00	243.73	6031.9	-329.9	-668.4	0.00	0.00	-277.8	
5	6539.6	0.00	0.00	6480.0	-345.5	-700.0	2.00	180.00	-290.9	
6	12193.9	0.00	0.00	12134.3	-345.5	-700.0	0.00	0.00	-290.9	
7	12954.0	91.21	12.85	12611.7	129.8	-591.6	12.00	12.85	174.7	
8	13397.7	91.21	359.53	12602.2	569.9	-543.8	3.00	-89.86	609.9	
9	13977.4	91.21	359.53	12590.0	1149.4	-548.5	0.00	0.00	1188.0	TGT#1(Javelina 30 FC #707H)
10	13990.3	90.95	359.53	12589.8	1162.4	-548.6	2.00	-178.37	1200.9	
11	16385.3	90.95	359.53	12550.0	3556.9	-568.4	0.00	0.00	3590.0	TGT#2(Javelina 30 FC #707H)
12	16411.0	90.44	359.53	12549.7	3582.6	-568.6	2.00	180.00	3615.6	
13	17683.3	90.44	359.53	12540.0	4854.9	-579.1	0.00	0.00	4885.0	TGT#3(Javelina 30 FC #707H)
14	17704.8	90.86	359.53	12539.8	4876.3	-579.3	2.00	0.00	4906.4	
15	19676.2	90.86	359.53	12510.0	6847.5	-595.6	0.00	0.00	6873.0	TGT#4(Javelina 30 FC #707H)
16	19689.2	91.12	359.53	12509.8	6860.4	-595.7	2.00	0.00	6885.9	
17	20698.0	91.12	359.53	12490.0	7869.0	-604.0	0.00	0.00	7892.1	PBHL(Javelina 30 FC #707H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Brushy Top(Jave 30 FC #707H)	8229.0	-345.5	-700.0	401249.50	798079.00	Polygon
PBHL(Javelina 30 FC #707H)	12490.0	7869.0	-604.0	409464.00	798175.00	Rectangle (Sides: L0.0 W50.0)
TGT#4(Javelina 30 FC #707H)	12510.0	6847.5	-595.6	408442.50	798183.43	Point
TGT#3(Javelina 30 FC #707H)	12540.0	4854.9	-579.1	406449.90	798199.88	Point
TGT#2(Javelina 30 FC #707H)	12550.0	3556.9	-568.4	405151.90	798210.59	Point
TGT#1(Javelina 30 FC #707H)	12590.0	1149.4	-548.5	402744.40	798230.47	Point
FTP(Javelina 30 FC #707H)	12611.0	156.0	-541.0	401751.00	798238.00	Point