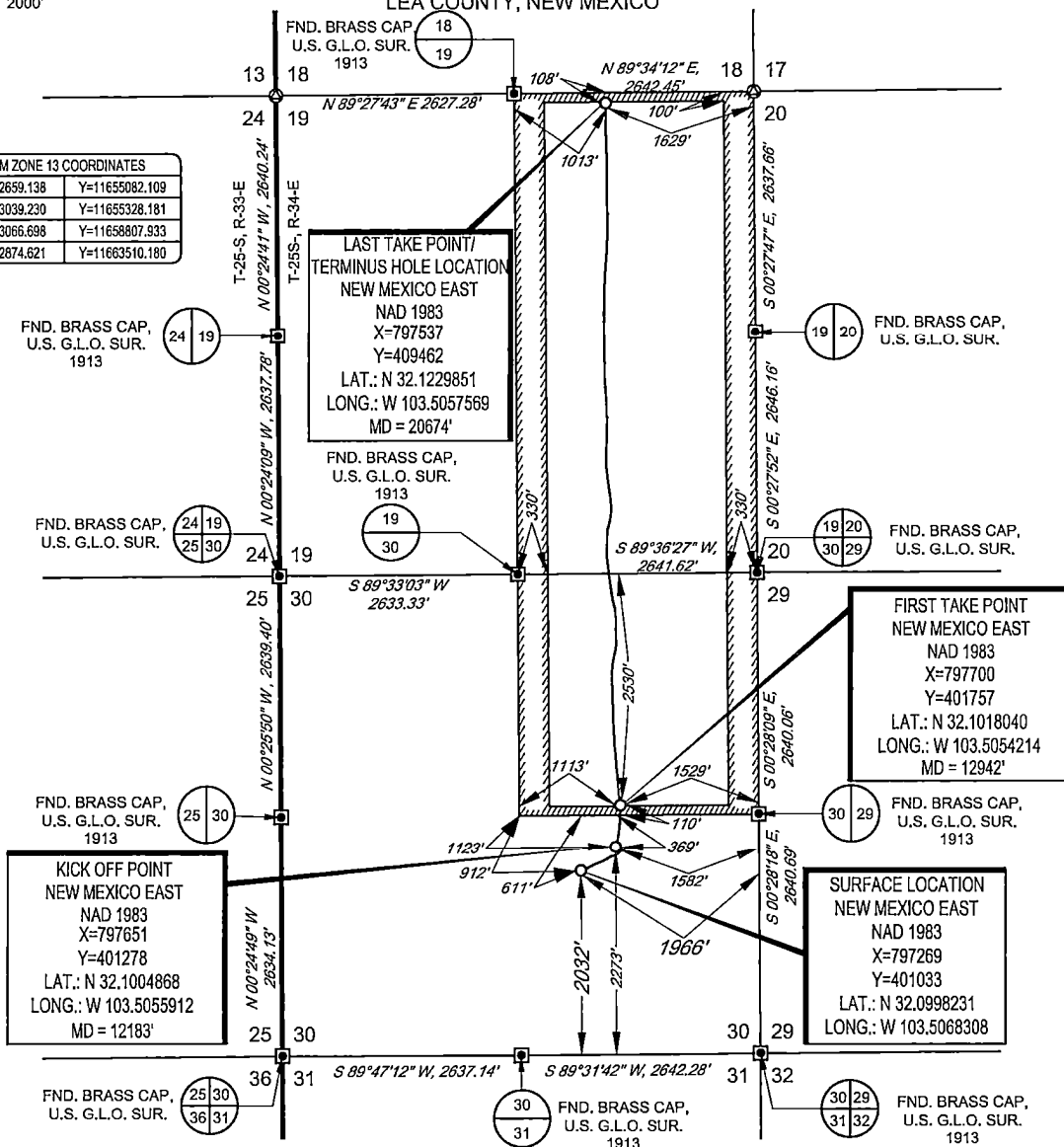


SCALE: 1" = 2000'

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=2102659.138 Y=11655082.109
KOP	X=2103039.230 Y=11655328.181
FTP	X=2103066.698 Y=11658807.933
LTP / THL	X=2102874.621 Y=11663510.180



LEASE NAME & WELL NO.: JAVELINA 30 FED COM 706H
SECTION 30 TWP 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3324'
DESCRIPTION 2032' FSL & 1966' FEL



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 20, 2020



JAVELINA 30 FED COM 706H AS-COMPLETE	REVISION:	NOTES:
DATE: 03/20/2020		1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
FILE:AD_JAVELINA_30_FED_COM_706H		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.
DRAWN BY: H.B.		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.
SHEET: 1 OF 1		4. ADJOINER INFORMATION SHOWN FOR INFORMATIONAL PURPOSES ONLY.

Intent ☐ As Drilled ☒ XXXAPI #
30-025-46521Operator Name:
EOG RESOURCES, INCProperty Name:
JAVELINA 30 FEDERAL COMWell Number
706H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
J	30	25S	34E		2273	SOUTH	1582	EAST	LEA
Latitude					Longitude				NAD
32.1004868					103.5055912				1983

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
G	30	25S	34E		2530	NORTH	1529	EAST	LEA
Latitude					Longitude				NAD
32.1018040					103.5054214				1983

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	19	25S	34E		108	NORTH	1629	EAST	LEA
Latitude					Longitude				NAD
32.1229851					103.5057569				1983

Is this well the defining well for the Horizontal Spacing Unit? ☒ YESIs this well an infill well? ☐ NO

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:
EOG RESOURCES, INC

Property Name:

Well Number



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Javelina 30 Fed Com

#706H

OH

Design: OH

Final PVA Report

17 January, 2020



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Site Javelina 30 Fed Com
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3349.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 25 @ 3349.0usft
Well:	#706H	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
From:	Map	Easting:	797,236.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 5' 59.363 N
		Longitude:	103° 30' 24.979 W
		Grid Convergence:	0.44 °

Well:		#706H				
Well Position	+N/-S	0.0 usft	Northing:	401,033.00 usft	Latitude:	32° 5' 59.361 N
	+E/-W	33.0 usft	Easting:	797,269.00 usft	Longitude:	103° 30' 24.595 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,324.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/19/2019	6.64	59.93	47,614.40573009

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	33.0	1.82

Survey Program	Date	1/17/2020		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
195.0	20,674.0	Gordon MWD #1 (OH)	MWD+IGRF+SAG+FDIR	OWSG MWD + IGRF or WMM + Sag Correction + FDI



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Site Javelina 30 Fed Com
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3349.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 25 @ 3349.0usft
Well:	#708H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Buile (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	33.0	0.00	0.00	0.00	0.0	0.0
195.0	1.24	163.01	195.0	-2.0	33.6	0.64	0.64	0.00	-2.1	0.0	
326.0	1.21	164.82	326.0	-4.7	34.4	0.04	-0.02	1.38	-4.9	0.1	
500.0	1.35	188.96	499.9	-8.5	34.6	0.32	0.08	13.87	-8.2	2.9	
679.0	1.41	198.73	678.9	-12.7	33.5	0.14	0.03	5.46	-11.8	4.6	
870.0	1.32	221.49	869.8	-16.5	31.3	0.29	-0.05	11.92	-13.5	9.7	
1,062.0	1.59	218.31	1,061.7	-20.3	28.2	0.15	0.14	-1.66	-18.9	8.8	
1,239.0	1.47	221.10	1,239.7	-23.9	25.2	0.08	-0.07	1.69	-23.2	9.6	
1,431.0	2.35	62.75	1,430.6	-24.0	27.1	1.96	0.46	-82.47	19.2	-18.6	
1,623.0	3.63	60.94	1,622.4	-19.2	35.9	0.67	0.67	-0.94	24.8	-17.8	
1,815.0	5.89	61.05	1,813.7	-11.5	49.8	1.18	1.18	0.06	28.9	-17.4	
2,007.0	5.70	61.19	2,004.7	-2.1	66.8	0.10	-0.10	0.07	29.6	-17.0	
2,199.0	5.83	58.19	2,195.7	7.6	83.4	0.17	0.07	-1.56	31.2	-14.5	
2,390.0	5.88	59.96	2,385.8	17.6	100.1	0.10	0.03	0.93	31.2	-14.3	
2,582.0	6.31	60.36	2,576.7	27.7	117.8	0.23	0.22	0.21	30.8	-13.8	
2,773.0	6.62	61.94	2,766.5	38.1	136.7	0.19	0.16	0.83	28.8	-14.2	
2,965.0	7.27	62.47	2,957.0	48.9	157.2	0.34	0.34	0.28	25.5	-14.4	
3,157.0	8.31	65.23	3,147.3	60.4	180.6	0.58	0.54	1.44	18.8	-16.1	
3,348.0	10.22	68.05	3,335.8	72.5	208.8	1.03	1.00	1.48	7.1	-18.3	
3,541.0	11.10	69.80	3,525.4	85.3	242.1	0.49	0.46	0.91	-9.3	-20.6	
3,733.0	8.54	64.36	3,714.6	97.8	272.3	1.42	-1.33	-2.83	-20.1	-23.9	
3,925.0	7.97	64.57	3,904.6	109.7	297.2	0.30	-0.30	0.11	-27.7	-24.5	
4,117.0	6.83	55.09	4,095.0	122.0	318.6	0.87	-0.59	-4.94	-28.0	-28.4	
4,309.0	5.63	51.84	4,285.9	134.3	335.4	0.65	-0.62	-1.69	-27.4	-26.9	
4,500.0	4.96	62.66	4,476.1	143.9	350.1	0.63	-0.35	5.66	-29.4	-19.7	
4,692.0	5.10	77.78	4,667.3	149.5	365.8	0.69	0.07	7.87	-30.7	-14.6	
4,884.0	5.97	76.97	4,858.4	153.6	383.9	0.45	0.45	-0.42	-29.6	-20.2	



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Site Javelina 30 Fed Com
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3349.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 25 @ 3349.0usft
Well:	#706H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Bulid (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
5,076.0	5.47	66.34	5,049.5	159.5	402.0	0.61	-0.26	-5.54	-24.3	-28.6	
5,267.0	3.73	56.05	5,239.9	166.6	415.5	1.00	-0.91	-5.39	-14.1	-31.9	
5,459.0	3.95	51.89	5,431.4	174.2	425.8	0.18	0.11	-2.17	-4.9	-29.6	
5,651.0	3.86	50.30	5,623.0	182.4	436.0	0.07	-0.05	-0.83	2.5	-25.8	
5,843.0	3.86	47.50	5,814.6	190.9	445.8	0.10	0.00	-1.46	10.3	-20.8	
6,036.0	3.67	50.89	6,007.2	199.2	455.3	0.15	-0.10	1.76	16.2	-17.0	
6,227.0	3.36	49.51	6,197.8	206.7	464.3	0.17	-0.16	-0.72	22.1	-12.8	
6,419.0	3.16	41.37	6,389.5	214.3	472.1	0.26	-0.10	-4.24	18.3	-8.3	
6,611.0	3.09	39.54	6,581.2	222.3	478.9	0.06	-0.04	-0.95	8.1	-7.8	
6,803.0	2.46	51.95	6,773.0	228.8	485.4	0.45	-0.33	6.46	-3.0	-8.3	
6,994.0	2.50	49.51	6,963.8	234.0	491.8	0.06	0.02	-1.28	-10.9	-8.6	
7,186.0	3.03	61.86	7,155.6	239.1	499.5	0.41	0.28	6.43	-21.6	-5.2	
7,378.0	0.42	181.83	7,347.5	240.8	504.0	1.70	-1.36	62.48	8.2	25.7	
7,570.0	0.65	155.55	7,539.5	239.1	504.4	0.17	0.12	-13.69	-5.8	26.3	
7,762.0	0.99	161.58	7,731.5	236.6	505.4	0.18	0.18	3.14	-5.7	26.9	
7,954.0	0.64	172.11	7,923.4	233.9	506.0	0.20	-0.18	5.48	-3.4	27.8	
8,146.0	0.65	212.90	8,115.4	232.0	505.6	0.23	0.01	21.24	13.7	24.0	
8,282.7	0.63	208.18	8,252.2	230.6	504.8	0.04	-0.01	-3.45	10.1	25.0	
Brushy Top(Jave 30 FC #706H)											
8,338.0	0.63	206.22	8,307.4	230.1	504.5	0.04	-0.01	-3.55	8.7	25.3	
8,530.0	0.67	208.68	8,499.4	228.2	503.5	0.03	0.02	1.28	7.6	24.9	
8,722.0	0.70	227.83	8,691.4	226.4	502.1	0.12	0.02	9.97	13.1	21.4	
8,914.0	0.86	226.31	8,883.4	224.6	500.2	0.08	0.08	-0.79	9.9	21.8	
9,106.0	0.93	245.01	9,075.3	223.0	497.7	0.16	0.04	9.74	13.4	17.9	
9,298.0	1.03	236.04	9,267.3	221.3	494.9	0.10	0.05	-4.67	7.2	19.5	
9,490.0	0.85	253.42	9,459.3	220.0	492.1	0.17	-0.09	9.05	9.7	17.0	
9,682.0	0.54	259.31	9,651.3	219.4	489.9	0.17	-0.16	3.07	9.0	16.1	



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Site Javelina 30 Fed Com
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3349.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 25 @ 3349.0usft
Well:	#706H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
9,873.0	1.03	255.55	9,842.3	218.8	487.3	0.26	0.26	-1.97	5.3	16.6
10,065.0	1.56	257.66	10,034.2	217.8	483.1	0.28	0.28	1.10	1.6	16.4
10,257.0	2.04	239.26	10,226.1	215.5	477.6	0.39	0.25	-9.58	-9.5	15.3
10,449.0	2.27	244.37	10,418.0	212.1	471.2	0.16	0.12	2.66	-15.4	16.4
10,640.0	1.58	235.32	10,608.9	209.0	465.6	0.39	-0.36	-4.74	-24.1	13.1
10,832.0	1.24	269.87	10,800.8	207.5	461.4	0.47	-0.18	17.99	-16.7	26.0
11,024.0	1.80	296.49	10,992.8	208.8	456.6	0.46	0.29	13.86	-8.1	31.6
11,216.0	1.73	310.52	11,184.7	212.0	451.7	0.23	-0.04	7.31	-6.0	33.4
11,408.0	3.07	296.03	11,376.5	216.2	444.9	0.76	0.70	-7.55	-22.1	30.1
11,600.0	1.81	303.75	11,568.3	220.1	437.8	0.68	-0.66	4.02	-26.0	33.5
11,792.0	3.18	312.53	11,760.1	225.4	431.3	0.74	0.71	4.57	-28.9	37.6
11,903.0	2.98	312.55	11,871.0	229.4	426.9	0.18	-0.18	0.02	-34.9	37.6
12,035.0	3.88	315.80	12,002.7	235.0	421.3	0.70	0.68	2.46	-40.6	39.7
12,129.0	4.03	318.62	12,096.5	239.7	416.9	0.26	0.16	3.00	-45.0	41.8
12,183.0	6.43	348.47	12,150.3	244.1	415.0	6.57	4.44	55.27	-22.5	59.6
KOP, MD:12183.0', TVD:12150.3', N/S:244.1', E/W:382.0', INC:6.43										
12,226.0	8.90	358.84	12,192.9	249.8	414.5	6.57	5.76	24.12	-13.6	62.5
12,321.0	15.10	18.80	12,285.8	268.9	418.3	7.76	6.53	21.01	8.1	55.0
12,417.0	28.02	9.97	12,374.9	303.1	426.3	13.84	13.46	-9.20	2.8	39.3
12,498.0	31.36	18.23	12,445.3	341.9	436.2	6.51	4.12	10.20	11.5	18.3
12,609.0	48.59	8.81	12,530.1	411.0	451.7	16.41	15.52	-8.49	18.7	-10.2
12,708.0	65.38	3.20	12,582.8	491.6	459.8	17.96	17.31	-5.78	22.1	-31.1
12,738.0	72.60	2.50	12,594.3	521.4	461.3	22.65	22.56	-2.19	20.9	-37.3
12,802.0	79.35	2.36	12,609.8	583.4	463.9	10.55	10.55	-0.22	16.5	-50.3
12,833.3	80.69	1.79	12,615.2	614.2	465.0	4.63	4.27	-1.83	14.9	-56.8
LL Crossing, MD:12833.3', TVD:12615.2', N/S:614.2', E/W:432.0', INC:80.69										
12,847.0	81.27	1.54	12,617.4	627.7	465.4	4.63	4.27	-1.82	14.6	-59.6



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Site Javelina 30 Fed Com
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3349.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 25 @ 3349.0usft
Well:	#706H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
12,898.0	90.46	358.88	12,621.0	678.6	465.6	18.75	18.02	-5.22	13.7	-68.6	
12,933.7	91.84	357.46	12,620.3	714.2	464.5	5.54	3.86	-3.97	11.8	-73.9	
FTP Crossing, MD:12933.7, TVD:12620.3, N/S:714.2, EW:431.5, INC:91.84											
12,939.7	92.07	357.22	12,620.1	720.3	464.2	5.54	3.86	-3.98	11.6	-74.7	
FTP(Jave 30 FC #706H)											
12,994.0	94.16	355.06	12,617.2	774.3	460.5	5.54	3.85	-3.98	8.7	-80.1	
13,091.0	91.58	354.56	12,612.3	870.8	451.8	2.71	-2.66	-0.52	3.6	-83.5	
13,187.0	91.16	353.59	12,610.0	966.2	441.9	1.10	-0.44	-1.01	1.4	-80.5	
13,283.0	90.96	353.95	12,608.2	1,061.7	431.5	0.43	-0.21	0.37	-0.3	-72.2	
13,379.0	89.17	355.07	12,608.1	1,157.2	422.3	2.20	-1.86	1.17	-0.1	-63.8	
13,475.0	89.99	355.20	12,608.8	1,252.9	414.1	0.86	0.85	0.14	0.7	-56.4	
13,571.0	92.71	355.75	12,606.6	1,348.5	406.6	2.89	2.83	0.57	-1.6	-49.6	
13,667.0	90.38	356.96	12,604.0	1,444.3	400.5	2.73	-2.43	1.26	-3.9	-44.3	
13,763.0	90.63	356.38	12,603.1	1,540.1	394.9	0.66	0.26	-0.60	-4.6	-39.5	
13,859.0	93.24	357.18	12,599.9	1,635.9	389.5	2.84	2.72	0.83	-7.8	-34.9	
13,955.0	91.33	358.76	12,596.1	1,731.8	386.1	2.58	-1.99	1.65	-11.4	-32.3	
14,051.0	93.66	359.89	12,591.9	1,827.7	385.0	2.70	2.43	1.18	-15.4	-32.0	
14,147.0	88.95	357.51	12,589.7	1,923.6	382.8	5.50	-4.91	-2.48	-17.4	-30.6	
14,243.0	89.17	358.01	12,591.3	2,019.5	379.0	0.57	0.23	0.52	-15.7	-27.6	
14,339.0	89.34	357.93	12,592.5	2,115.4	375.6	0.20	0.18	-0.08	-14.4	-25.0	
14,435.0	88.78	4.03	12,594.1	2,211.3	377.3	6.38	-0.58	6.35	-12.7	-27.4	
14,531.0	91.07	9.82	12,594.2	2,306.6	388.8	6.49	2.39	6.03	-12.4	-39.8	
14,627.0	91.13	12.54	12,592.4	2,400.8	407.5	2.83	0.06	2.83	-14.2	-59.1	
14,672.0	90.41	7.80	12,591.8	2,445.0	415.4	10.65	-1.60	-10.53	-14.7	-67.4	
14,723.0	90.74	2.76	12,591.3	2,495.8	420.1	9.90	0.65	-9.88	-15.0	-72.6	
14,751.0	89.90	0.16	12,591.1	2,523.8	420.8	9.76	-3.00	-9.29	-15.2	-73.5	
14,819.0	90.29	356.57	12,591.0	2,591.7	418.9	5.31	0.57	-5.28	-15.2	-72.1	



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Site Javelina 30 Fed Com
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3349.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 25 @ 3349.0usft
Well:	#706H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

MD (usft)	Inc. (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,915.0	87.49	0.12	12,592.9	2,687.7	416.1	4.71	-2.92	3.70	-13.2	-70.1
14,958.8	88.46	358.79	12,594.4	2,731.4	415.7	3.76	2.22	-3.04	-11.6	-70.1
TGT#1(Jave 30 FC #706H)										
15,011.0	89.62	357.20	12,595.3	2,783.6	413.8	3.76	2.22	-3.04	-10.3	-68.7
15,059.0	91.05	354.13	12,595.0	2,831.4	410.2	7.06	2.98	-6.40	-10.3	-65.4
15,107.0	91.11	349.44	12,594.1	2,878.9	403.4	9.77	0.12	-9.77	-10.9	-58.9
15,154.0	93.41	345.81	12,592.2	2,924.8	393.3	9.14	4.89	-7.72	-13.0	-49.1
15,204.0	94.87	348.15	12,588.6	2,973.4	382.1	5.51	2.92	4.68	-16.0	-38.1
15,300.0	93.28	352.59	12,581.8	3,067.8	366.1	4.90	-1.66	4.62	-21.3	-23.1
15,398.0	91.11	351.09	12,578.1	3,162.7	352.4	2.75	-2.26	-1.56	-23.9	-10.3
15,492.0	87.97	352.61	12,578.9	3,257.7	338.8	3.63	-3.27	1.58	-22.2	2.4
15,589.0	90.16	354.02	12,580.5	3,354.0	327.5	2.69	2.26	1.45	-19.7	12.9
15,685.0	89.07	356.73	12,581.1	3,449.7	319.8	3.04	-1.14	2.82	-18.2	19.9
15,780.0	91.48	359.80	12,580.7	3,544.6	316.9	4.11	2.54	3.23	-17.7	22.0
15,877.0	91.51	0.75	12,578.1	3,641.6	317.4	0.98	0.03	0.98	-19.4	20.7
15,973.0	93.36	10.11	12,574.1	3,737.0	326.4	9.93	1.93	9.75	-22.6	10.7
16,069.0	88.43	14.97	12,572.6	3,830.6	347.3	7.21	-5.14	5.06	-23.3	-10.4
16,165.0	89.29	3.32	12,574.5	3,925.2	362.5	12.17	0.90	-12.14	-20.4	-26.7
16,261.0	90.08	355.68	12,575.0	4,021.1	361.7	8.00	0.82	-7.96	-19.0	-26.6
16,357.0	88.62	351.53	12,576.1	4,116.5	351.0	4.58	-1.52	-4.32	-17.0	-16.7
16,453.0	90.92	353.96	12,576.5	4,211.7	338.9	3.49	2.40	2.53	-15.7	-5.4
16,549.0	89.66	350.52	12,576.0	4,306.8	325.9	3.82	-1.31	-3.58	-15.3	6.7
16,645.0	87.92	354.49	12,578.0	4,402.0	313.4	4.51	-1.81	4.14	-12.4	18.5
16,742.0	90.47	358.81	12,579.4	4,498.8	307.7	5.17	2.63	4.45	-10.0	23.4
16,838.0	91.59	2.66	12,577.7	4,594.7	308.9	4.18	1.17	4.01	-10.9	21.4
16,934.0	94.39	2.81	12,572.7	4,690.5	313.5	2.92	2.92	0.16	-15.0	16.0
17,030.0	87.44	359.75	12,571.1	4,786.4	315.7	7.91	-7.24	-3.19	-15.6	13.1



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Site Javelina 30 Fed Com
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3349.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 25 @ 3349.0usft
Well:	#706H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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)	
17,108.3	88.69	1.52	12,573.8	4,864.7	316.5	2.76	1.59	2.26	-12.2	11.6	
TGT#2(Jave 30 FC #706H)											
17,126.0	88.97	1.92	12,574.1	4,882.3	317.1	2.76	1.59	2.26	-11.7	10.9	
17,222.0	89.35	359.79	12,575.5	4,978.3	318.5	2.25	0.40	-2.22	-9.5	8.7	
17,340.0	89.66	356.43	12,576.6	5,096.2	314.6	2.86	0.26	-2.85	-7.5	11.6	
17,436.0	91.09	356.25	12,575.9	5,192.0	308.5	1.50	1.49	-0.19	-7.3	17.0	
17,532.0	92.16	356.28	12,573.2	5,287.7	302.2	1.12	1.11	0.03	-9.2	22.5	
17,628.0	92.83	355.86	12,569.0	5,383.4	295.6	0.82	0.70	-0.44	-12.5	28.3	
17,725.0	92.10	358.89	12,564.9	5,480.2	291.2	3.21	-0.75	3.12	-15.9	31.9	
17,820.0	89.50	359.82	12,563.5	5,575.2	290.1	2.91	-2.74	0.98	-16.4	32.2	
17,917.0	89.22	359.75	12,564.6	5,672.2	289.8	0.30	-0.29	-0.07	-14.5	31.7	
18,013.0	90.08	1.92	12,565.2	5,768.2	291.2	2.43	0.90	2.26	-13.1	29.6	
18,109.0	84.63	355.89	12,569.6	5,864.0	289.4	8.46	-5.68	-6.28	-8.0	30.6	
18,205.0	94.03	359.33	12,570.8	5,959.8	285.4	10.43	9.79	3.58	-5.9	33.8	
18,301.0	94.56	359.60	12,563.6	6,055.5	284.5	0.62	0.55	0.28	-12.3	33.9	
18,397.0	91.76	0.48	12,558.3	6,151.3	284.5	3.06	-2.92	0.92	-16.8	33.1	
18,493.0	91.79	0.80	12,555.3	6,247.3	285.6	0.33	0.03	0.33	-19.0	31.2	
18,589.0	93.08	0.98	12,551.2	6,343.2	287.1	1.36	1.34	0.19	-22.3	28.9	
18,685.0	93.83	3.00	12,545.4	6,438.9	290.4	2.24	0.78	2.10	-27.3	24.8	
18,781.0	92.12	3.49	12,540.4	6,534.7	295.9	1.85	-1.78	0.51	-31.4	18.6	
18,877.0	88.23	2.99	12,540.2	6,630.5	301.3	4.09	-4.05	-0.52	-30.9	12.4	
18,974.0	91.36	4.76	12,540.6	6,727.2	307.8	3.71	3.23	1.82	-29.7	5.0	
19,070.0	89.82	4.08	12,539.5	6,823.0	315.2	1.75	-1.60	-0.71	-29.9	-3.1	
19,166.0	88.45	1.22	12,541.0	6,918.8	319.7	3.30	-1.43	-2.98	-27.6	-8.3	
19,262.0	91.78	2.36	12,540.8	7,014.8	322.7	3.67	3.47	1.19	-27.0	-12.1	
19,358.0	87.92	359.10	12,541.0	7,110.7	323.9	5.26	-4.02	-3.40	-25.9	-14.1	
19,454.0	88.59	357.90	12,543.9	7,206.6	321.4	1.43	0.70	-1.25	-22.2	-12.4	



Final PVA Report

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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3349.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 25 @ 3349.0usft
Well:	#706H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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)
19,470.0	88.73	358.03	12,544.3	7,222.6	320.8	1.16	0.84	0.79	-21.7	-12.0
TGT#3(Jave 30 FC #706H)										
19,550.0	89.40	358.66	12,545.6	7,302.6	318.5	1.16	0.84	0.79	-20.0	-10.3
19,646.0	89.15	358.69	12,546.8	7,398.6	316.3	0.26	-0.26	0.03	-18.3	-8.9
19,742.0	89.85	358.75	12,547.7	7,494.5	314.1	0.73	0.73	0.06	-16.9	-7.5
19,838.0	91.48	359.38	12,546.6	7,590.5	312.6	1.82	1.70	0.66	-17.6	-6.7
19,934.0	94.31	1.34	12,541.7	7,686.4	313.2	3.58	2.95	2.04	-21.9	-8.1
20,030.0	87.77	357.98	12,540.0	7,782.3	312.6	7.66	-6.81	-3.50	-23.2	-8.3
20,127.0	89.96	359.37	12,541.9	7,879.2	310.3	2.67	2.26	1.43	-20.8	-6.9
20,223.0	88.62	358.50	12,543.1	7,975.2	308.6	1.66	-1.40	-0.91	-19.2	-5.9
20,319.0	88.36	358.09	12,545.6	8,071.1	305.7	0.51	-0.27	-0.43	-16.1	-3.8
20,415.0	88.78	358.53	12,548.0	8,167.0	302.9	0.63	0.44	0.46	-13.3	-1.8
20,511.0	94.14	359.99	12,545.6	8,263.0	301.6	5.79	5.58	1.52	-15.2	-1.3
20,607.0	93.16	359.63	12,539.5	8,358.8	301.3	1.09	-1.02	-0.37	-20.9	-1.8
Last MWD Survey (MD=20607.0)										
20,673.0	93.16	359.63	12,535.8	8,424.7	300.9	0.00	0.00	0.00	-24.2	-1.9
PBHL(Jave 30 FC #706H)										
20,674.0	93.16	359.63	12,535.8	8,425.7	300.9	0.00	0.00	0.00	-24.2	-1.9
Projection to Bit (MD=20664.0)										

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,183.0	12,150.3	244.1	415.0	KOP, MD:12183.0', TVD:12150.3', N/S:244.1', E/W:382.0', INC:6.43
12,833.3	12,815.2	614.2	465.0	LL Crossing, MD:12833.3', TVD:12615.2', N/S:614.2', E/W:432.0', INC:80.69
12,933.7	12,820.3	714.2	464.5	FTP Crossing, MD:12933.7', TVD:12620.3', N/S:714.2', E/W:431.5', INC:91.84
20,607.0	12,539.5	8,358.8	301.3	Last MWD Survey (MD=20607.0)
20,674.0	12,535.8	8,425.7	300.9	Projection to Bit (MD=20664.0)



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Site Javelina 30 Fed Com
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3349.0usft
Site:	Javelina 30 Fed Com	MD Reference:	KB = 25 @ 3349.0usft
Well:	#706H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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



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

#706H

Plan #1



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

Magnetic Field
Strength: 47614.4nT
Dip Angle: 59.93°
Date: 12/19/2019
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 6.64°

WELL DETAILS: #706H

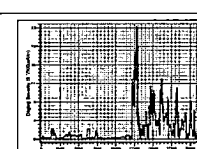
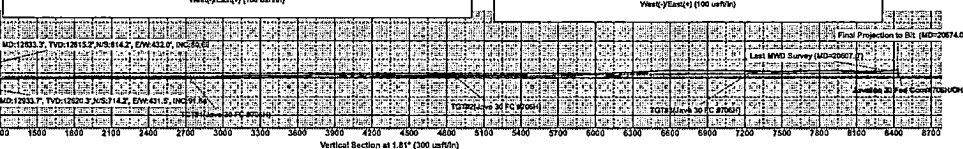
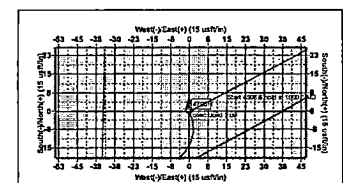
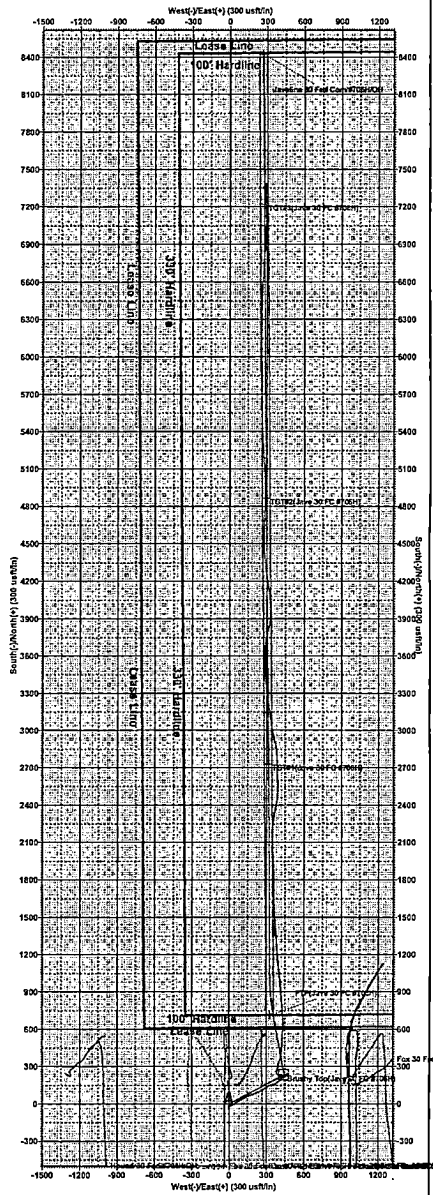
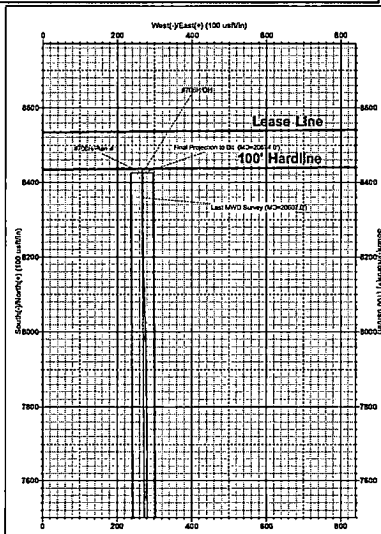
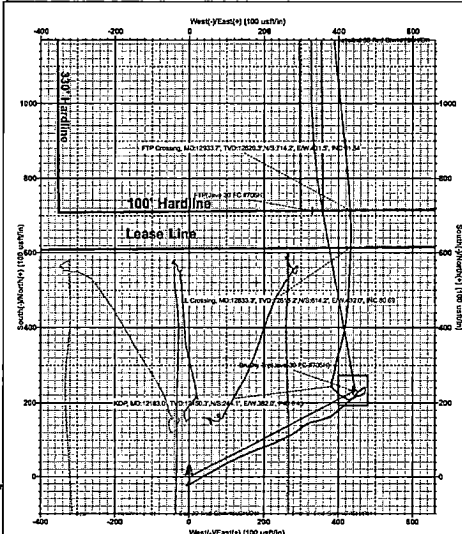
3324.0
KB = 25 @ 3349.0usft
+N/-S +E/-W Northing Easting Longitude Slot
0.0 0.0 401053.00 797259.00 32.0068225°W 103.5065319°W

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	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1600.1	6.00	62.31	1599.6	7.3	13.9	2.00	62.31	7.7	
4	6105.7	6.00	62.31	6080.4	226.2	431.1	0.00	0.00	239.7	
5	6405.8	0.00	0.00	6380.0	233.5	445.0	2.00	180.00	247.4	
6	12157.3	0.00	0.00	12131.5	233.5	445.0	0.00	0.00	247.4	
7	12908.0	90.09	349.54	12609.0	703.8	358.2	12.00	349.54	714.7	
8	13241.0	90.08	359.53	12608.5	1034.8	326.5	3.00	90.03	1044.6	
9	14935.8	90.08	359.53	12606.0	2729.5	312.6	0.00	0.00	2738.0	TGT#1(Jave 30 FC #706H)
10	14958.6	90.54	359.53	12605.9	2752.3	312.4	2.00	0.26	2760.8	TGT#2(Jave 30 FC #706H)
11	17070.5	90.54	359.53	12586.0	4864.1	295.1	0.00	0.00	4871.0	TGT#3(Jave 30 FC #706H)
12	17073.2	90.49	359.53	12586.0	4866.8	295.1	2.00	-179.99	4873.7	
13	19428.5	90.49	359.53	12566.0	7221.9	275.8	0.00	0.00	7227.0	
14	19438.6	90.28	359.53	12565.9	7232.0	275.8	2.00	180.00	7237.1	
15	20632.7	90.28	359.53	12560.0	8426.0	266.0	0.00	0.00	8430.2	PBHL(Jave 30 FC #706H)

WELLSBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Brushy Top(Jave 30 FC #706H)	8232.0	233.5	432.0	401268.50	797708.00	Polygon
PBHL(Jave 30 FC #706H)	12560.0	842.0	266.0	409459.00	797535.00	Rectangle (Sides: L0.0 W50.0)
TGT#1(Jave 30 FC #706H)	12566.0	7221.9	275.8	408254.90	797544.85	Point
TGT#2(Jave 30 FC #706H)	12586.0	4864.1	295.1	405897.10	797564.13	Point
TGT#3(Jave 30 FC #706H)	12606.0	2729.5	312.6	403762.50	797551.50	Point
FTP(Jave 30 FC #706H)	12609.0	713.0	329.0	401748.00	797588.00	Point



Lea County, NM (NAD 83 NME)
Javelina 30 Fed Com
#706H
Plan #1