

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 30-025-46559		² Pool Code 98094	³ Pool Name BOBCAT DRAW; UPPER WOLFCAMP
⁴ Property Code 315294	⁵ Property Name JAVELINA 30 FED		⁶ Well Number 703H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3320'

¹⁰Surface Location

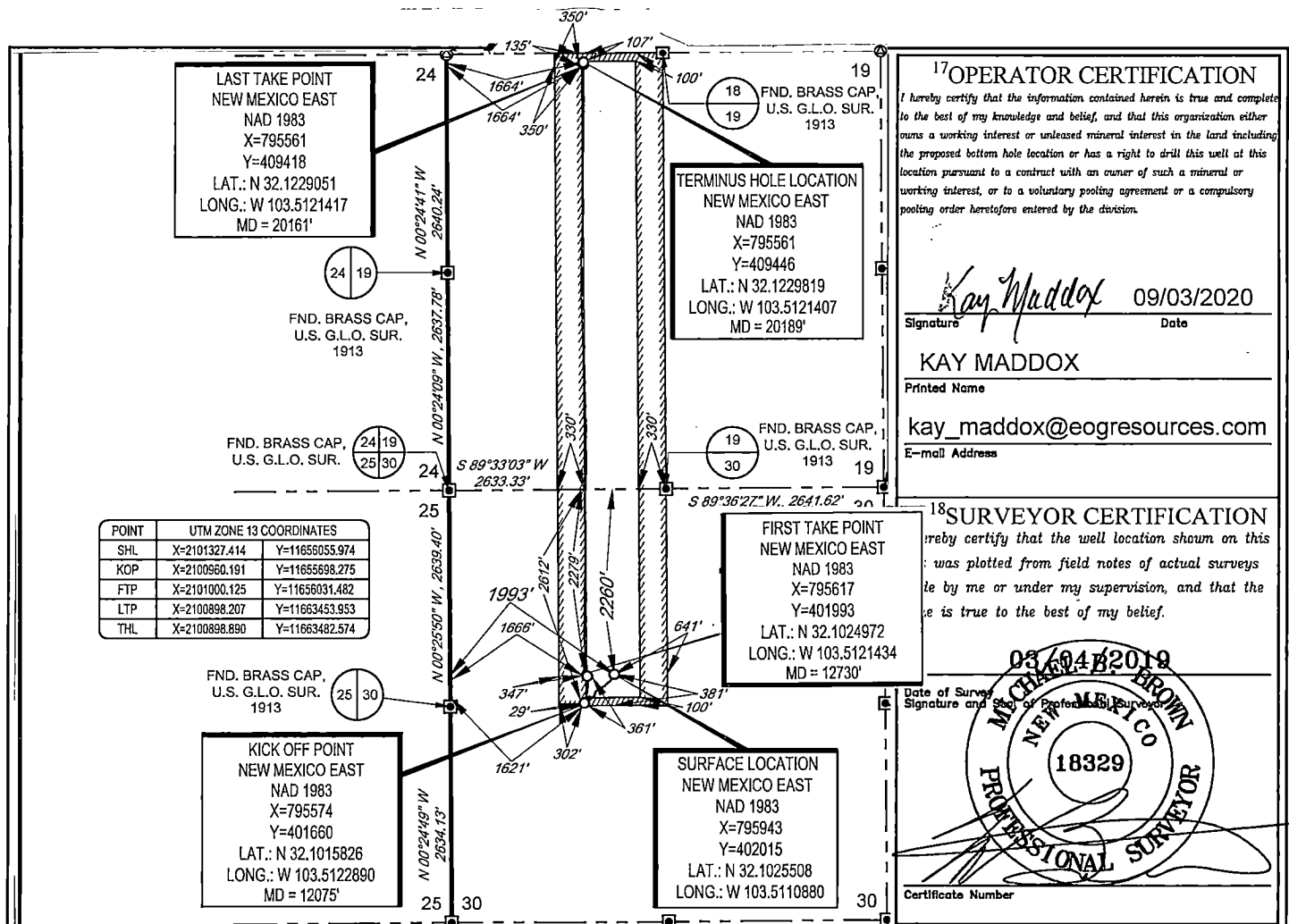
UL or lot no. F	Section 30	Township 25-S	Range 34-E	Lot Idn -	Feet from the 2260'	North/South line NORTH	Feet from the 1993'	East/West line WEST	County LEA
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¹¹Bottom Hole Location If Different From Surface

UL or lot no. C	Section 19	Township 25-S	Range 34-E	Lot Idn -	Feet from the 107'	North/South line NORTH	Feet from the 1664'	East/West line WEST	County LEA
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¹² Dedicated Acres 240.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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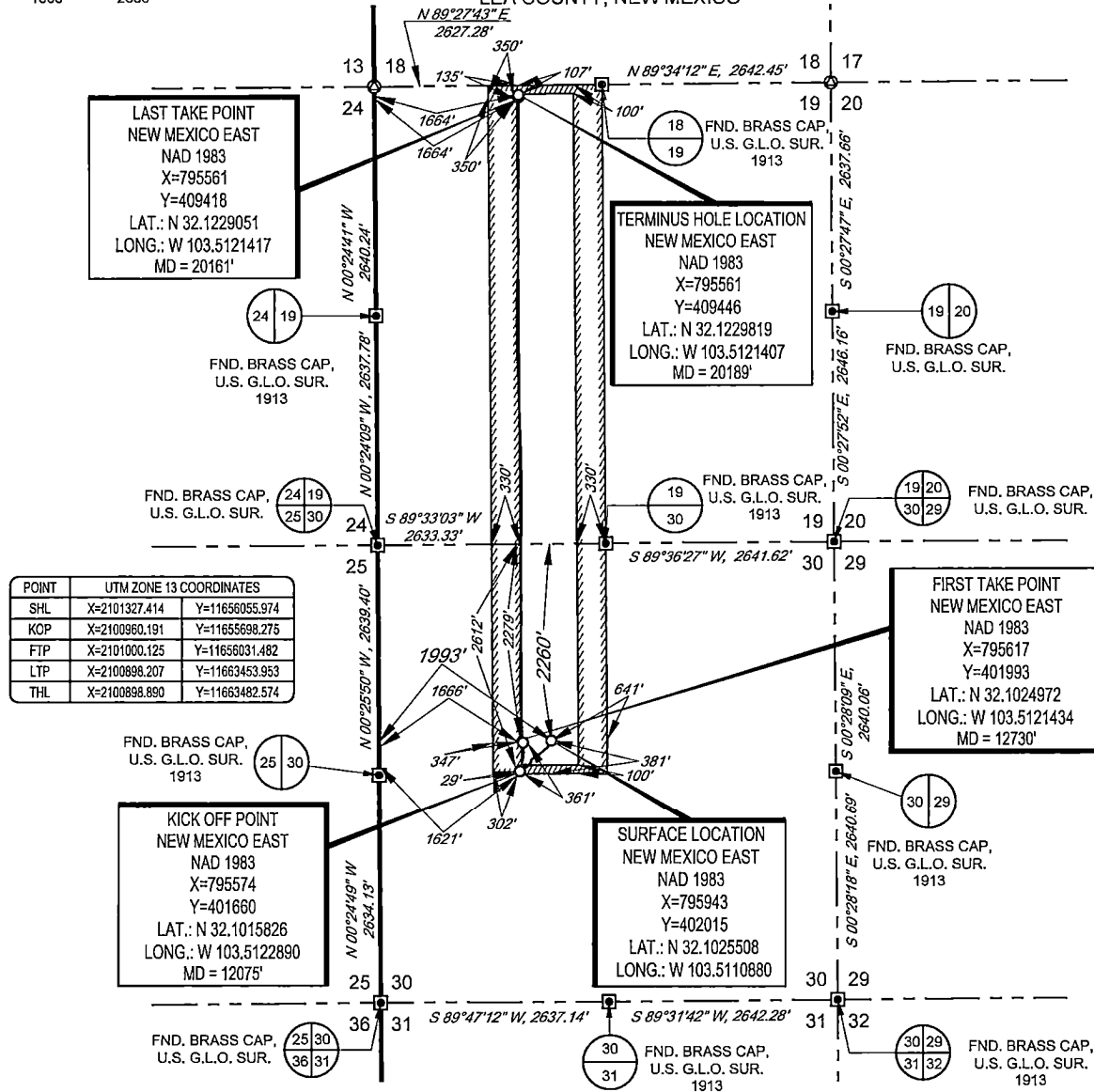
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SCALE: 1" = 2000'

0' 1000' 2000'

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

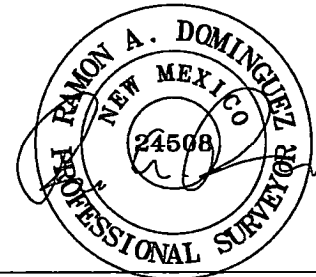


LEASE NAME & WELL NO.: JAVELINA 30 FED #703H
SECTION 30 TWP 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3321'
DESCRIPTION 2260' FNL & 1993' FWL



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 02, 2020



JAVELINA 30 FED #703H 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: 03/02/2020		
FILE:AD_JAVELINA_30_FED_703H		
DRAWN BY: JLS		
SHEET: 1 OF 1		

Intent ☐ As Drilled ☒ XXX

API #
30-025-46559

Operator Name: EOG RESOURCES, INC	Property Name: JAVELINA 30 FEDERAL	Well Number 703H
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Kick Off Point (KOP)

UL F	Section 30	Township 25S	Range 34E	Lot	Feet 2612	From N/S NORTH	Feet 1621	From E/W WEST	County LEA
Latitude 32.1015826					Longitude 103.5122890			NAD 1983	

First Take Point (FTP)

UL F	Section 30	Township 25S	Range 34E	Lot	Feet 2279	From N/S NORTH	Feet 1666	From E/W WEST	County LEA
Latitude 32.1024972					Longitude 103.5121434			NAD 1983	

Last Take Point (LTP)

UL C	Section 19	Township 25S	Range 34E	Lot	Feet 135	From N/S NORTH	Feet 1664	From E/W WEST	County LEA
Latitude 32.1229051					Longitude 103.5121417			NAD 1983	

Is this well the defining well for the Horizontal Spacing Unit? ☒ YES

Is 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
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KZ 06/29/2018



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Javelina 30 Fed

#703H

OH

Design: OH

Midland PVA

10 January, 2020



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3345.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3345.0usft
Well:	#703H	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		
Site Position:		Northing:	401,179.00 usft
From:	Map	Easting:	794,522.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 1.013 N
		Longitude:	103° 30' 56.515 W
		Grid Convergence:	0.43 °

Well	#703H		
Well Position	+N-S	0.0 usft	Northing:
	+E-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 6' 9.178 N
		Longitude:	103° 30' 39.922 W
		Ground Level:	3,320.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	12/19/2019	6.64
			Dip Angle
			59.93
			Field Strength
			47,615.60930578

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			356.89

Survey Program	Date 1/10/2020		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		Description
120.0	20,189.0	Total Directional (OH)	EOG MWD+IFR1
			MWD + IFR1



Midland PVA

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Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3345.0usft
Well:	#703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
120.0	0.00	0.00	120.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
223.0	0.80	319.50	223.0	0.5	-0.5	0.78	0.78	0.00	-0.7	0.0
312.0	0.90	318.70	312.0	1.5	-1.3	0.11	0.11	-0.90	-2.0	0.0
400.0	0.60	324.30	400.0	2.4	-2.1	0.35	-0.34	6.36	-3.2	0.2
488.0	0.70	315.60	488.0	3.2	-2.7	0.16	0.11	-9.89	-4.2	-0.3
588.0	0.50	306.70	588.0	3.9	-3.5	0.22	-0.20	-8.90	-5.1	-1.0
779.0	0.20	247.50	779.0	4.3	-4.5	0.23	-0.16	-30.99	-2.5	-5.6
874.0	0.80	169.10	874.0	3.5	-4.5	0.83	0.63	-82.53	4.3	-3.7
969.0	1.50	168.20	968.9	1.7	-4.1	0.74	0.74	-0.95	2.5	-3.7
1,064.0	1.80	163.60	1,063.9	-1.0	-3.4	0.34	0.32	-4.84	0.0	-3.6
1,160.0	1.70	163.10	1,159.9	-3.8	-2.6	0.11	-0.10	-0.52	-2.9	-3.6
1,255.0	1.60	152.80	1,254.8	-6.3	-1.6	0.33	-0.11	-10.84	-4.7	-3.6
1,350.0	3.60	199.30	1,349.7	-10.3	-2.0	2.90	2.11	48.95	-6.5	3.5
1,446.0	6.40	205.80	1,445.4	-18.0	-5.3	2.97	2.92	6.77	-7.9	6.9
1,541.0	7.00	206.20	1,539.7	-27.9	-10.1	0.63	0.63	0.42	-9.9	10.2
1,636.0	7.20	210.60	1,634.0	-38.2	-15.7	0.61	0.21	4.63	-11.3	13.9
1,731.0	7.20	211.50	1,728.2	-48.4	-21.9	0.12	0.00	0.95	-13.3	16.6
1,827.0	7.30	219.90	1,823.5	-58.3	-28.9	1.11	0.10	8.75	-12.9	20.3
1,922.0	7.10	226.30	1,917.7	-66.9	-37.0	0.87	-0.21	6.74	-12.5	22.2
2,017.0	6.70	226.50	2,012.0	-74.8	-45.3	0.42	-0.42	0.21	-13.9	22.1
2,112.0	7.10	225.90	2,106.3	-82.7	-53.5	0.43	0.42	-0.63	-15.6	21.8
2,207.0	5.80	228.10	2,200.7	-90.0	-61.3	1.39	-1.37	2.32	-15.6	22.2
2,302.0	5.60	229.10	2,295.3	-96.2	-68.4	0.24	-0.21	1.05	-14.7	22.0
2,398.0	5.50	229.70	2,390.8	-102.3	-75.5	0.12	-0.10	0.62	-13.7	21.5
2,493.0	5.50	231.90	2,485.4	-108.0	-82.5	0.22	0.00	2.32	-12.1	21.1
2,588.0	5.40	228.60	2,579.9	-113.8	-89.4	0.35	-0.11	-3.47	-12.4	19.6



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3345.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3345.0usft
Well:	#703H	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)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
2,683.0	5.30	226.40	2,674.5	-119.8	-96.0	0.24	-0.11	-2.32	-12.1	18.8	
2,779.0	5.30	226.10	2,770.1	-125.9	-102.4	0.03	0.00	-0.31	-11.0	18.6	
2,874.0	4.80	222.80	2,864.8	-131.9	-108.2	0.61	-0.53	-3.47	-10.5	18.2	
2,969.0	4.70	220.70	2,959.4	-137.7	-113.5	0.21	-0.11	-2.21	-9.1	18.5	
3,065.0	5.40	238.90	3,055.1	-143.1	-119.9	1.81	0.73	18.96	-1.4	19.4	
3,160.0	5.60	243.80	3,149.6	-147.4	-127.9	0.54	0.21	5.16	0.6	16.7	
3,255.0	4.30	239.30	3,244.3	-151.3	-135.1	1.43	-1.37	-4.74	0.8	14.0	
3,351.0	4.00	234.20	3,340.0	-155.1	-140.9	0.50	-0.31	-5.31	2.5	12.2	
3,446.0	3.30	229.10	3,434.8	-158.8	-145.7	0.81	-0.74	-5.37	5.3	11.5	
3,542.0	2.70	226.50	3,530.7	-162.2	-149.4	0.64	-0.62	-2.71	9.8	11.5	
3,637.0	4.20	236.20	3,625.5	-165.6	-153.9	1.69	1.58	10.21	15.7	8.3	
3,733.0	6.50	237.60	3,721.1	-170.5	-161.4	2.40	2.40	1.46	16.7	5.9	
3,829.0	7.50	239.10	3,816.4	-176.6	-171.4	1.06	1.04	1.56	14.9	3.3	
3,924.0	7.10	237.50	3,910.6	-183.0	-181.7	0.47	-0.42	-1.68	12.5	1.5	
4,020.0	4.90	237.10	4,006.1	-188.4	-190.1	2.29	-2.29	-0.42	12.2	-0.5	
4,115.0	4.20	243.20	4,100.8	-192.2	-196.6	0.89	-0.74	6.42	14.1	-4.3	
4,211.0	5.80	240.20	4,196.4	-196.2	-204.0	1.69	1.67	-3.12	15.6	-6.3	
4,306.0	6.10	242.00	4,290.9	-200.9	-212.6	0.37	0.32	1.89	15.1	-9.4	
4,497.0	3.10	230.80	4,481.3	-209.0	-225.6	1.63	-1.57	-5.86	21.4	-10.1	
4,593.0	4.70	200.50	4,577.0	-214.3	-229.0	2.66	1.67	-31.56	26.5	5.0	
4,688.0	5.40	196.80	4,671.7	-222.2	-231.6	0.81	0.74	-3.89	26.5	11.2	
4,784.0	5.60	187.00	4,767.2	-231.2	-233.5	1.00	0.21	-10.21	22.9	21.1	
4,879.0	7.00	197.80	4,861.7	-241.3	-235.8	1.92	1.47	11.37	24.8	21.9	
4,975.0	7.40	202.60	4,956.9	-252.6	-240.0	0.75	0.42	5.00	23.8	24.2	
5,070.0	5.90	218.10	5,051.3	-262.1	-245.4	2.45	-1.58	16.32	28.4	20.0	
5,166.0	5.20	226.70	5,146.8	-268.9	-251.6	1.13	-0.73	8.96	31.9	16.1	
5,357.0	4.20	225.40	5,337.2	-279.8	-262.8	0.53	-0.52	-0.68	35.8	16.7	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3345.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3345.0usft
Well:	#703H	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)	
5,547.0	4.60	222.40	5,526.6	-290.3	-272.9	0.24	0.21	-1.58	40.2	19.3	
5,642.0	3.80	223.20	5,621.4	-295.4	-277.7	0.84	-0.84	0.84	43.4	19.2	
5,738.0	3.70	233.00	5,717.2	-299.6	-282.3	0.67	-0.10	10.21	49.8	10.9	
5,833.0	2.60	277.60	5,812.0	-301.1	-286.9	2.73	-1.16	46.95	44.3	-32.0	
5,928.0	1.80	312.20	5,907.0	-299.8	-290.1	1.59	-0.84	36.42	15.3	-56.0	
6,023.0	1.80	312.90	6,001.9	-297.8	-292.3	0.02	0.00	0.74	11.7	-58.7	
6,119.0	0.80	275.80	6,097.9	-296.7	-294.1	1.31	-1.04	-38.65	43.0	-40.8	
6,214.0	0.90	263.90	6,192.9	-296.7	-295.5	0.21	0.11	-12.53	49.1	-31.2	
6,309.0	1.00	279.50	6,287.9	-296.7	-297.1	0.29	0.11	16.42	37.3	-43.1	
6,404.0	1.00	282.30	6,382.8	-296.4	-298.7	0.05	0.00	2.95	33.5	-44.8	
6,500.0	1.10	290.40	6,478.8	-295.9	-300.4	0.19	0.10	8.44	25.1	-49.0	
6,595.0	1.10	7.90	6,573.8	-294.7	-301.1	1.45	0.00	81.58	-43.5	-34.2	
6,690.0	1.30	26.90	6,668.8	-292.8	-300.5	0.47	0.21	20.00	-54.2	-17.9	
6,786.0	1.50	33.20	6,764.8	-290.8	-299.3	0.26	0.21	6.56	-58.2	-11.8	
6,881.0	1.60	25.30	6,859.7	-288.5	-298.1	0.25	0.11	-8.32	-58.6	-19.8	
6,976.0	1.80	19.40	6,954.7	-285.9	-297.0	0.28	0.21	-6.21	-59.0	-25.9	
7,071.0	1.50	16.40	7,049.7	-283.3	-296.2	0.33	-0.32	-3.16	-60.3	-29.0	
7,166.0	1.40	18.80	7,144.6	-281.0	-295.4	0.12	-0.11	2.53	-63.9	-26.4	
7,261.0	1.10	2.50	7,235.6	-277.0	-294.6	0.24	-0.16	-8.53	-58.0	-43.9	
7,356.0	1.00	355.20	7,330.6	-275.3	-294.6	0.18	-0.11	-7.68	-53.7	-51.0	
7,451.0	0.80	342.60	7,325.6	-273.8	-294.9	0.29	-0.21	-13.26	-42.7	-61.7	
7,546.0	0.60	313.40	7,321.5	-272.8	-295.5	0.42	-0.21	-30.42	-8.3	-75.0	
7,641.0	0.80	276.00	7,316.5	-272.4	-296.5	0.51	0.21	-39.37	37.9	-64.9	
7,736.0	0.90	277.40	7,311.5	-272.2	-297.9	0.11	0.11	1.47	34.9	-65.8	
7,831.0	0.70	291.50	7,306.5	-271.9	-299.2	0.29	-0.21	14.84	16.5	-72.2	
7,926.0	1.00	275.70	8,002.5	-271.6	-300.5	0.39	0.31	-16.46	34.2	-65.1	
8,021.0	0.90	285.30	8,097.5	-271.3	-302.1	0.20	-0.11	10.11	21.3	-69.7	



Midland PVA

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Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3345.0usft
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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Buile (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
8,214.0	1.30	260.80	8,192.5	-271.3	-303.9	0.64	0.42	-25.79	46.5	-55.0	
8,214.7	1.30	260.80	8,193.2	-271.3	-303.9	0.00	0.00	0.00	46.5	-55.0	
Brushy Top(Javelina 30 fed #703H)											
8,309.0	1.20	245.10	8,287.5	-271.9	-305.8	0.38	-0.11	-16.64	57.6	-40.6	
8,404.0	0.90	230.20	8,382.4	-272.8	-307.3	0.42	-0.32	-15.68	64.4	-24.7	
8,500.0	0.90	224.20	8,478.4	-273.8	-308.4	0.10	0.00	-6.25	65.1	-17.9	
8,595.0	1.10	236.80	8,573.4	-274.9	-309.7	0.31	0.21	13.26	58.0	-31.5	
8,690.0	1.10	237.50	8,668.4	-275.9	-311.2	0.01	0.00	0.74	55.8	-32.2	
8,785.0	1.20	242.80	8,763.4	-276.8	-312.9	0.15	0.11	5.58	50.7	-37.1	
8,881.0	1.50	235.70	8,859.4	-278.0	-314.8	0.36	0.31	-7.40	52.6	-30.7	
8,976.0	1.50	237.00	8,954.3	-279.3	-316.9	0.04	0.00	1.37	49.4	-31.9	
9,071.0	1.50	247.60	9,049.3	-280.5	-319.1	0.29	0.00	11.16	40.3	-40.2	
9,167.0	1.80	236.70	9,145.2	-281.8	-321.5	0.45	0.31	-11.35	44.4	-32.1	
9,262.0	1.90	242.10	9,240.2	-283.4	-324.1	0.21	0.11	5.68	38.1	-36.0	
9,357.0	2.10	254.50	9,335.1	-284.6	-327.2	0.50	0.21	13.05	26.2	-43.0	
9,452.0	2.70	263.90	9,430.1	-285.3	-331.1	0.75	0.63	9.89	14.9	-46.4	
9,547.0	3.40	271.90	9,524.9	-285.4	-336.2	0.86	0.74	8.42	3.3	-47.7	
9,643.0	3.40	280.30	9,620.8	-284.8	-341.8	0.52	0.00	8.75	-9.4	-47.3	
9,738.0	3.50	256.60	9,715.6	-285.0	-347.4	1.49	0.11	-24.95	4.9	-48.2	
9,833.0	1.50	217.30	9,810.5	-286.6	-351.0	2.66	-2.11	-41.37	30.8	-36.0	
9,928.0	1.00	232.60	9,905.5	-288.1	-352.4	0.63	-0.53	16.11	18.2	-42.6	
10,024.0	1.90	276.30	10,001.4	-288.5	-354.6	1.42	0.94	45.52	-18.4	-42.8	
10,119.0	1.90	303.80	10,096.4	-287.4	-357.5	0.95	0.00	28.95	-39.1	-28.7	
10,214.0	1.80	320.70	10,191.3	-285.4	-359.8	0.58	-0.11	17.79	-48.7	-15.7	
10,310.0	1.50	337.40	10,287.3	-283.1	-361.2	0.59	-0.31	17.40	-53.9	-0.6	
10,405.0	2.40	202.60	10,382.3	-283.7	-362.4	3.81	0.95	-141.89	37.2	-38.7	
10,500.0	4.70	204.10	10,477.1	-289.1	-364.8	2.42	2.42	1.58	30.3	-39.7	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3345.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3345.0usft
Well:	#703H	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)	
10,595.0	6.00	207.70	10,571.7	-297.1	-368.7	1.41	1.37	3.79	18.8	-41.2	
10,690.0	4.10	189.30	10,666.3	-304.8	-371.5	2.60	-2.00	-19.37	22.8	-34.7	
10,785.0	4.20	191.00	10,761.1	-311.6	-372.8	0.17	0.11	1.79	14.9	-35.3	
10,880.0	3.70	159.90	10,855.8	-317.9	-372.4	2.28	-0.53	-32.74	24.9	-24.3	
10,976.0	3.70	162.20	10,951.6	-323.8	-370.4	0.15	0.00	2.40	17.8	-25.1	
11,071.0	3.40	165.30	11,046.5	-329.4	-368.7	0.37	-0.32	3.26	10.5	-25.9	
11,166.0	2.90	157.80	11,141.3	-334.3	-367.1	0.68	-0.53	-7.89	8.6	-24.7	
11,261.0	2.60	161.20	11,236.2	-338.6	-365.5	0.36	-0.32	3.58	2.6	-25.0	
11,357.0	2.80	157.90	11,332.1	-342.8	-363.9	0.26	0.21	-3.44	-0.5	-24.9	
11,452.0	1.30	136.80	11,427.0	-345.8	-362.3	1.74	-1.58	-22.21	5.3	-24.3	
11,547.0	0.80	186.00	11,522.0	-347.2	-361.6	1.04	-0.53	51.79	-16.3	-19.0	
11,642.0	1.30	220.70	11,617.0	-348.7	-362.4	0.83	0.53	36.53	-25.8	-6.0	
11,737.0	1.80	250.10	11,712.0	-350.0	-364.5	0.97	0.53	30.95	-27.9	8.0	
11,832.0	1.40	238.70	11,806.9	-351.1	-366.9	0.54	-0.42	-12.00	-31.5	2.0	
11,890.0	1.50	226.50	11,864.9	-352.0	-368.0	0.56	0.17	-21.03	-32.7	-4.8	
11,962.0	1.10	207.90	11,936.9	-353.3	-369.0	0.80	-0.56	-25.83	-31.1	-15.3	
12,057.0	1.00	166.40	12,031.9	-354.9	-369.3	0.79	-0.11	-43.68	-14.6	-32.6	
12,075.0	0.18	119.46	12,049.9	-355.1	-369.2	4.93	-4.57	-260.79	13.7	-33.1	
KOP, MD:12075.0', TVD:12049.9', N/S:-355.1', E/W:-369.2', INC:0.18											
12,152.0	3.70	357.10	12,126.8	-352.6	-369.2	4.93	4.57	-158.81	19.5	29.3	
12,247.0	9.20	6.80	12,221.2	-342.0	-368.5	5.88	5.79	10.21	29.2	24.2	
12,294.0	16.50	19.40	12,267.0	-332.0	-365.8	16.55	15.53	26.81	36.8	13.7	
12,342.0	24.50	21.40	12,311.9	-316.3	-359.9	16.73	16.67	4.17	37.9	6.2	
12,416.8	31.97	18.40	12,377.8	-283.0	-348.0	10.17	9.99	-4.01	37.8	-3.8	
FTP Crossing, MD:12416.8', TVD:12377.8', N/S:-283.0', E/W:-348.0', INC:31.97											
12,437.0	34.00	17.80	12,394.7	-272.5	-344.6	10.17	10.04	-2.98	38.1	-6.8	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3345.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3345.0usft
Well:	#703H	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)	
12,533.0	53.20	12.60	12,463.9	-208.9	-327.8	20.33	20.00	-5.42	34.1	-19.5	
FTP(Javelina 30 fed #703H)											
12,628.0	77.00	359.80	12,503.8	-123.9	-319.5	27.81	25.05	-13.47	14.6	-23.6	
12,723.0	83.30	352.70	12,520.1	-30.7	-325.7	9.91	6.63	-7.47	-12.9	-18.2	
12,818.0	83.90	354.60	12,530.6	63.2	-336.2	2.09	0.63	2.00	-29.8	-8.5	
12,913.0	83.70	356.70	12,540.9	157.3	-343.3	2.21	-0.21	2.21	-27.0	-1.6	
13,009.0	85.10	357.40	12,550.3	252.7	-348.2	1.63	1.46	0.73	-16.1	2.6	
13,104.0	89.90	355.70	12,554.4	347.5	-353.9	5.36	5.05	-1.79	-10.4	7.5	
13,199.0	91.10	357.20	12,553.6	442.3	-359.8	2.02	1.26	1.58	-9.6	12.6	
13,294.0	91.60	359.60	12,551.3	537.2	-362.5	2.58	0.53	2.53	-10.3	14.5	
13,390.0	87.50	1.10	12,552.1	633.2	-361.9	4.55	-4.27	1.56	-7.9	13.2	
13,485.0	88.20	0.70	12,555.7	728.1	-360.4	0.85	0.74	-0.42	-2.8	10.9	
13,580.0	89.00	359.80	12,558.0	823.1	-360.0	1.27	0.84	-0.95	1.1	9.8	
13,675.0	90.30	0.70	12,558.6	918.0	-359.6	1.66	1.37	0.95	3.2	8.6	
13,770.0	86.60	359.90	12,561.1	1,013.0	-359.1	3.98	-3.89	-0.84	7.3	7.3	
13,865.0	90.40	1.80	12,563.6	1,107.9	-357.7	4.47	4.00	2.00	11.4	5.2	
13,940.0	91.65	1.80	12,562.3	1,182.9	-355.3	1.67	1.67	0.00	11.3	2.2	
TGT#1(Javelina 30 fed #703H)											
13,961.0	92.00	1.80	12,561.6	1,203.9	-354.7	1.67	1.67	0.00	11.0	1.4	
14,056.0	93.60	1.80	12,557.0	1,298.7	-351.7	1.68	1.68	0.00	8.4	-2.4	
14,151.0	92.30	0.70	12,552.1	1,393.5	-349.6	1.79	-1.37	-1.16	5.4	-5.2	
14,246.0	92.00	0.00	12,548.5	1,488.5	-349.0	0.80	-0.32	-0.74	3.8	-6.5	
14,341.0	92.30	0.40	12,545.0	1,583.4	-348.7	0.53	0.32	0.42	2.2	-7.6	
14,436.0	87.20	358.40	12,545.4	1,678.4	-349.7	5.77	-5.37	-2.11	4.6	-7.4	
14,531.0	89.60	358.30	12,548.0	1,773.3	-352.4	2.53	2.53	-0.11	9.2	-5.4	
14,626.0	91.10	359.30	12,547.4	1,868.3	-354.4	1.90	1.58	1.05	10.6	-4.2	
14,721.0	91.40	358.30	12,545.4	1,963.2	-356.4	1.10	0.32	-1.05	10.5	-2.9	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3345.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3345.0usft
Well:	#703H	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)
	14,816.0	92.10	359.80	12,542.5	2,058.1	-358.0	1.74	0.74	1.58	9.6	-2.1
	14,905.8	91.91	0.74	12,539.3	2,147.9	-357.6	1.06	-0.21	1.04	8.3	-3.3
TGT#2(Javelina 30 fed #703H)											
	14,912.0	91.90	0.80	12,539.1	2,154.1	-357.5	1.06	-0.21	1.04	8.3	-3.4
	15,007.0	90.60	2.00	12,537.0	2,249.0	-355.2	1.86	-1.37	1.26	8.4	-6.5
	15,102.0	91.00	2.20	12,535.7	2,344.0	-351.7	0.47	0.42	0.21	9.3	-10.7
	15,197.0	90.50	1.30	12,534.5	2,438.9	-348.8	1.08	-0.53	-0.95	10.2	-14.4
	15,292.0	90.80	0.90	12,533.4	2,533.9	-346.9	0.53	0.32	-0.42	11.3	-16.9
	15,339.2	90.05	0.06	12,533.0	2,581.1	-346.6	2.39	-1.58	-1.79	12.0	-17.7
TGT#3(Javelina 30 fed #703H)											
	15,387.0	89.30	359.20	12,533.3	2,628.9	-346.9	2.39	-1.58	-1.79	13.0	-17.8
	15,483.0	89.90	359.10	12,534.0	2,724.9	-348.3	0.63	0.62	-0.10	14.8	-17.1
	15,578.0	91.00	359.30	12,533.2	2,819.8	-349.6	1.18	1.16	0.21	15.2	-16.6
	15,673.0	92.50	0.00	12,530.3	2,914.8	-350.2	1.74	1.58	0.74	13.4	-16.7
	15,769.0	91.40	359.70	12,527.1	3,010.7	-350.4	1.19	-1.15	-0.31	11.2	-17.3
	15,864.0	90.60	359.40	12,525.4	3,105.7	-351.2	0.90	-0.84	-0.32	10.6	-17.3
	15,959.0	90.20	358.50	12,524.7	3,200.7	-352.9	1.04	-0.42	-0.95	11.1	-16.3
	16,054.0	91.00	358.40	12,523.8	3,295.7	-355.5	0.85	0.84	-0.11	11.2	-14.5
	16,149.0	90.60	358.30	12,522.4	3,390.6	-358.2	0.43	-0.42	-0.11	10.9	-12.5
	16,244.0	90.30	358.30	12,521.7	3,485.6	-361.1	0.32	-0.32	0.00	11.3	-10.4
	16,339.0	90.40	358.20	12,521.1	3,580.5	-364.0	0.15	0.11	-0.11	11.8	-8.3
	16,435.0	90.80	358.00	12,520.1	3,676.5	-367.1	0.47	0.42	-0.21	11.9	-5.9
	16,530.0	89.20	357.40	12,520.1	3,771.4	-371.0	1.80	-1.68	-0.63	13.0	-2.8
	16,625.0	90.80	358.20	12,520.1	3,866.3	-374.6	1.88	1.68	0.84	14.1	0.1
	16,720.0	87.70	358.60	12,521.3	3,961.3	-377.3	3.29	-3.26	0.42	16.4	1.9
	16,815.0	88.10	358.60	12,524.8	4,056.2	-379.6	0.42	0.42	0.00	21.0	3.5
	16,910.0	88.10	357.30	12,528.0	4,151.0	-383.0	1.37	0.00	-1.37	25.2	6.1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #703H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3345.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3345.0usft
Well:	#703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

Survey											
MD (usft)	Incl (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
17,005.0	89.80	357.30	12,529.7	4,245.9	-387.4	1.79	1.79	0.00	28.0	9.8	
17,063.7	90.91	357.24	12,529.3	4,304.6	-390.2	1.90	1.89	-0.11	28.4	12.2	
TGT#4(Javelina 30 fed #703H)											
17,100.0	91.60	357.20	12,528.5	4,340.8	-392.0	1.90	1.89	-0.11	27.9	13.6	
17,195.0	91.60	358.60	12,525.9	4,435.7	-395.5	1.47	0.00	1.47	26.0	16.4	
17,291.0	91.60	358.20	12,523.2	4,531.6	-398.2	0.42	0.00	-0.42	24.1	18.3	
17,386.0	92.00	358.30	12,520.2	4,626.5	-401.1	0.43	0.42	0.11	21.9	20.4	
17,481.0	92.00	359.90	12,516.9	4,721.5	-402.5	1.68	0.00	1.68	19.4	21.2	
17,577.0	93.50	0.00	12,512.3	4,817.3	-402.6	1.57	1.56	0.10	15.6	20.5	
17,672.0	91.60	0.40	12,508.1	4,912.2	-402.3	2.04	-2.00	0.42	12.1	19.4	
17,767.0	89.40	1.70	12,507.3	5,007.2	-400.6	2.69	-2.32	1.37	12.1	16.9	
17,862.0	88.00	1.30	12,509.4	5,102.2	-398.1	1.53	-1.47	-0.42	15.1	13.7	
17,957.0	89.60	2.80	12,511.4	5,197.1	-394.7	2.31	1.68	1.58	17.8	9.5	
18,052.0	88.40	0.80	12,513.1	5,292.0	-391.7	2.45	-1.26	-2.11	20.3	5.8	
18,147.0	90.00	1.30	12,514.4	5,387.0	-390.0	1.76	1.68	0.53	22.4	3.3	
18,243.0	90.00	0.70	12,514.4	5,483.0	-388.3	0.62	0.00	-0.62	23.2	0.8	
18,266.3	90.20	0.72	12,514.3	5,506.3	-388.0	0.85	0.84	0.11	23.3	0.3	
TGT#5(Javelina 30 fed #703H)											
18,338.0	90.80	0.80	12,513.7	5,578.0	-387.0	0.85	0.84	0.11	23.2	-1.2	
18,433.0	91.30	1.30	12,512.0	5,672.9	-385.3	0.74	0.53	0.53	22.1	-3.7	
18,528.0	88.80	358.10	12,511.9	5,767.9	-385.8	4.27	-2.63	-3.37	22.7	-3.9	
18,624.0	89.50	359.00	12,513.3	5,863.9	-388.2	1.19	0.73	0.94	24.7	-2.3	
18,719.0	90.50	359.50	12,513.3	5,958.8	-389.5	1.18	1.05	0.53	25.4	-1.8	
18,814.0	92.30	359.90	12,511.0	6,053.8	-390.0	1.94	1.89	0.42	23.7	-2.1	
18,910.0	95.80	1.40	12,504.2	6,149.5	-388.9	3.96	3.65	1.56	17.6	-3.9	
19,005.0	89.40	0.70	12,499.9	6,244.4	-387.1	6.78	-6.74	-0.74	13.9	-6.4	
19,100.0	88.70	0.30	12,501.5	6,339.4	-386.3	0.85	-0.74	-0.42	16.1	-8.0	



Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Javelina 30 Fed
Well: #703H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #703H
TVD Reference: KB = 25 @ 3345.0usft
MD Reference: KB = 25 @ 3345.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Buile (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
19,195.0	89.10	359.70	12,503.3	6,434.3	-386.3	0.76	0.42	-0.63	18.6	-8.7	
19,290.0	90.70	0.10	12,503.5	6,529.3	-386.5	1.74	1.68	0.42	19.4	-9.3	
19,385.0	90.60	0.40	12,502.4	6,624.3	-386.1	0.33	-0.11	0.32	19.0	-10.5	
19,480.0	89.50	0.90	12,502.3	6,719.3	-385.0	1.27	-1.16	0.53	19.5	-12.3	
19,575.0	89.20	0.70	12,503.4	6,814.3	-383.7	0.38	-0.32	-0.21	21.2	-14.4	
19,670.0	90.10	1.70	12,504.0	6,909.3	-381.7	1.42	0.95	1.05	22.5	-17.2	
19,765.0	90.60	1.50	12,503.4	7,004.2	-379.0	0.57	0.53	-0.21	22.5	-20.6	
19,861.0	89.40	359.00	12,503.4	7,100.2	-378.6	2.89	-1.25	-2.00	23.2	-21.0	
19,956.0	89.80	358.80	12,504.1	7,195.2	-380.4	0.47	0.42	-0.21	24.5	-20.7	
20,051.0	91.10	359.00	12,503.3	7,290.2	-382.2	1.38	1.37	0.21	24.4	-19.6	
20,134.0	93.70	0.20	12,499.8	7,373.1	-382.8	3.45	3.13	1.45	21.4	-19.7	
Last MWD Survey (MD=20134.0')											
20,189.0	94.50	0.20	12,495.9	7,428.0	-382.6	1.45	1.45	0.00	17.9	-20.4	
Projection to Bit (MD=20189.0') - PBHL(Javelina 30 fed #703H)											

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
12,075.0	12,049.9	-355.1	-369.2	KOP, MD:12075.0', TVD:12049.9', N/S:-355.1', E/W:-369.2', INC:0.18
12,416.8	12,377.8	-283.0	-348.0	FTP Crossing, MD:12416.8', TVD:12377.8', N/S:-283.0', E/W:-348.0', INC:31.97
20,134.0	12,499.8	7,373.1	-382.8	Last MWD Survey (MD=20134.0')
20,189.0	12,495.9	7,428.0	-382.6	Projection to Bit (MD=20189.0')

Checked By: _____ Approved By: _____ Date: _____

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

Kay Maddox
Signed

9/5/2020
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

#703H

Plan #1



Azimuths to Grid North
True North: -0.44°
Magnetic North: 6.21°
Magnetic Field
Strength: 47915.6nT
Dip Angle: 59.93°
Date: 12/19/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.21°
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: #703H

3320.0
KB = 25 @ 3345.00ft
Northing 402015.00
Easting 795943.00
Latitude 32° 6' 9.178 N
Longitude 103° 30' 35.922 W
Slot

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	0.0	0.00	0.0	
2	1192.0	0.00	0.00	1192.0	0.0	0.0	0.0	0.00	0.0	
3	1491.8	6.00	225.68	1491.2	-10.9	-11.2	2.00	225.68	-10.3	
4	5754.6	6.00	225.68	5730.8	-322.1	-329.8	0.00	0.00	-303.7	
5	6054.4	0.00	0.00	6030.0	-333.0	-341.0	2.00	180.00	-314.0	
6	12115.0	0.00	0.00	12090.6	-333.0	-341.0	0.00	0.00	-314.0	
7	12872.9	90.95	359.54	12568.0	152.3	-344.9	12.00	359.54	170.8	
8	13903.3	90.95	359.54	12551.0	1182.6	-353.1	0.00	0.00	1200.0	TGT#1(Javelina 30 fed #703H)
9	13915.5	91.19	359.54	12550.8	1194.8	-353.2	2.00	0.00	1212.2	
10	14868.6	91.19	359.54	12531.0	2147.6	-360.8	0.00	0.00	2164.0	TGT#2(Javelina 30 fed #703H)
11	14875.3	91.32	359.54	12530.9	2154.3	-360.9	2.00	0.00	2170.7	
12	15302.2	91.32	359.54	12521.0	2581.1	-364.3	0.00	0.00	2597.0	TGT#3(Javelina 30 fed #703H)
13	15335.4	90.66	359.54	12520.4	2614.3	-364.5	2.00	-180.00	2630.2	
14	17026.1	90.66	359.54	12501.0	4304.8	-378.0	0.00	0.00	4319.0	
15	17035.2	90.48	359.54	12500.9	4313.9	-378.1	2.00	180.00	4328.1	TGT#4(Javelina 30 fed #703H)
16	18227.5	90.48	359.54	12491.0	5506.1	-387.6	0.00	0.00	5519.0	
17	18231.9	90.39	359.54	12491.0	5510.5	-387.7	2.00	-180.00	5523.5	TGT#5(Javelina 30 fed #703H)
18	20150.5	90.39	359.54	12478.0	7429.0	-403.0	0.00	0.00	7439.9	PBHL(Javelina 30 fed #703H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Brushy Top(Javelina 30 fed #703H)	8193.0	333.0	-341.0	401882.00	795892.00	Polygon
PBHL(Javelina 30 fed #703H)	12478.0	7429.0	-403.0	409444.00	795540.00	Rectangle (Sides: L0.0 W60.0)
TGT#1(Javelina 30 fed #703H)	12491.0	5506.1	-387.6	407521.10	795555.35	Point
TGT#2(Javelina 30 fed #703H)	12501.0	4304.8	-378.0	405019.00	795564.95	Point
TGT#3(Javelina 30 fed #703H)	12521.0	2581.1	-364.3	404596.10	795578.72	Point
TGT#4(Javelina 30 fed #703H)	12531.0	2147.6	-360.8	404162.60	795582.19	Point
TGT#5(Javelina 30 fed #703H)	12551.0	1192.6	-353.1	403197.50	795589.89	Point
FTP(Javelina 30 fed #703H)	12571.0	-283.0	-341.0	401732.00	795602.00	Point

