

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 30-025-46560	² Pool Code 98094	³ Pool Name BOBCAT DRAW; UPPER WOLFCAMP
⁴ Property Code 315294	⁵ Property Name JAVELINA 30 FED	⁶ Well Number 704H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3321'

¹⁰Surface Location

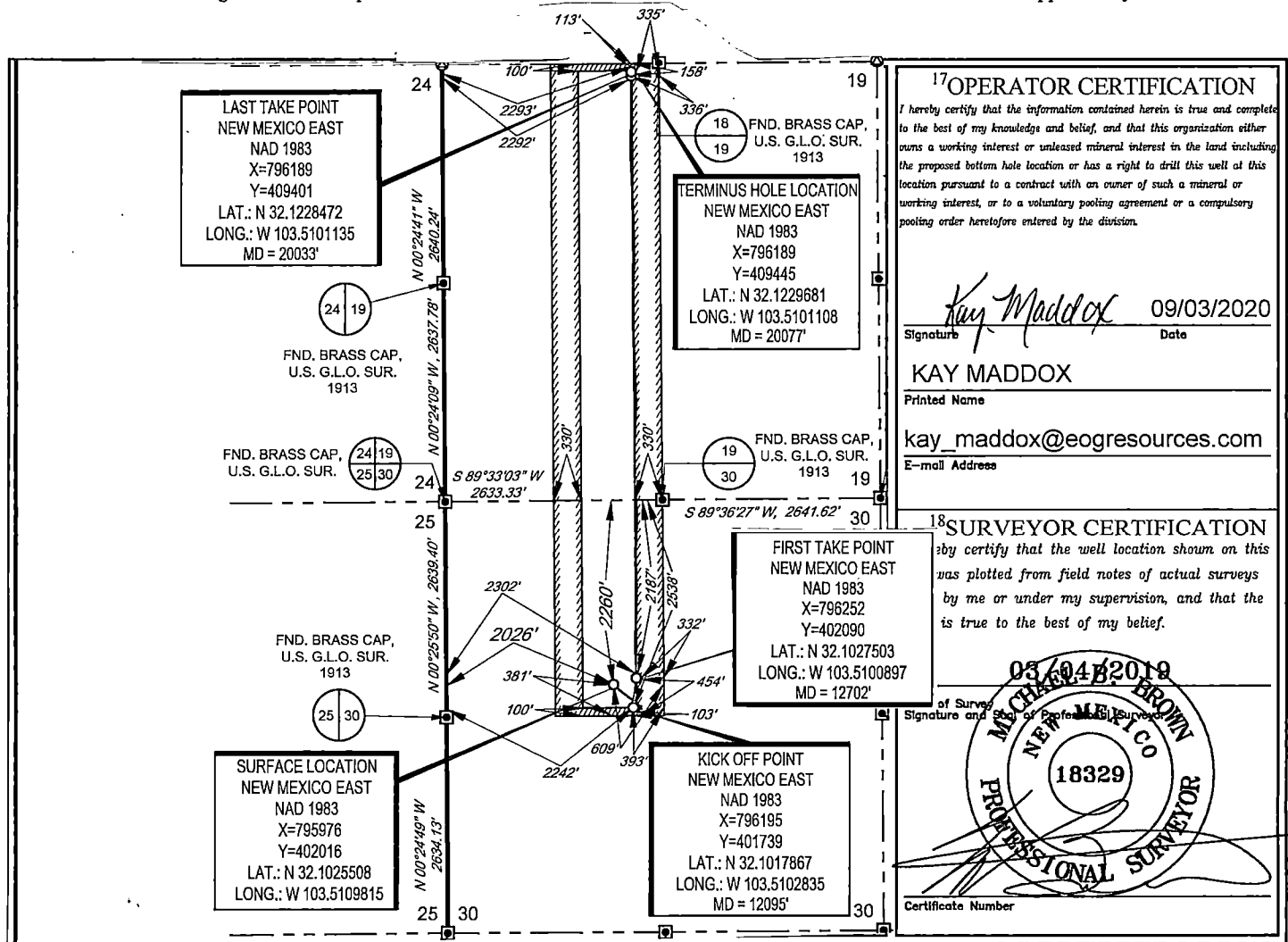
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	30	25-S	34-E	-	2260'	NORTH	2026'	WEST	LEA

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
C	19	25-S	34-E	-	113'	NORTH	2293'	WEST	LEA

¹² Dedicated Acres 240.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
-----------------------------------------	-------------------------------	----------------------------------	-------------------------

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.

¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or 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.

Signature: Kay Maddox Date: 09/03/2020

KAY MADDOX

Printed Name

kay_maddox@eogresources.com

E-mail Address

¹⁸SURVEYOR CERTIFICATION

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

Signature and Seal of Professional Surveyor

03/04/2019
MICHAEL BROWN
18329
PROFESSIONAL SURVEYOR
Certificate Number

SCALE: 1" = 2000'
0' 1000' 2000'

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

LAST TAKE POINT
NEW MEXICO EAST
NAD 1983
X=796189
Y=409401
LAT.: N 32.1228472
LONG.: W 103.5101135
MD = 20033'

TERMINUS HOLE LOCATION
NEW MEXICO EAST
NAD 1983
X=796189
Y=409445
LAT.: N 32.1229681
LONG.: W 103.5101108
MD = 20077'

FIRST TAKE POINT
NEW MEXICO EAST
NAD 1983
X=796252
Y=402090
LAT.: N 32.1027503
LONG.: W 103.5100897
MD = 12702'

SURFACE LOCATION
NEW MEXICO EAST
NAD 1983
X=795976
Y=402016
LAT.: N 32.1025508
LONG.: W 103.5109815

KICK OFF POINT
NEW MEXICO EAST
NAD 1983
X=796195
Y=401739
LAT.: N 32.1017867
LONG.: W 103.5102835
MD = 12095'

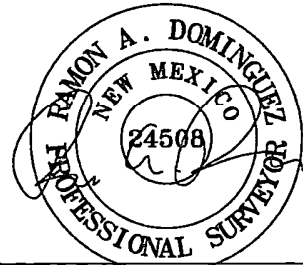
POINT	UTM ZONE 13 COORDINATES
SHL	X=2101360.387 Y=11656056.438
KOP	X=2101579.604 Y=11655781.097
FTP	X=2101635.424 Y=11656132.400
LTP	X=2101526.206 Y=11663441.842
THL	X=2101527.271 Y=11663486.243

LEASE NAME & WELL NO.: JAVELINA 30 FED #704H
SECTION 30 TWP. 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3321'
DESCRIPTION 2260' FNL & 2026' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2803 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

EOG resources, Inc.

JAVELINA 30 FED #704H AS-COMplete	REVISION:	NOTES:
DATE: 03/02/2020		1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
FILE: AD_JAVELINA_30_FED_704H		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: JLS		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		

Intent ☐ As Drilled ☒ XXX

API # 30-025-46560		
Operator Name: EOG RESOURCES, INC	Property Name: JAVELINA 30 FEDERAL	Well Number 704H

Kick Off Point (KOP)

UL F	Section 30	Township 25S	Range 34E	Lot	Feet 2538	From N/S NORTH	Feet 2242	From E/W WEST	County LEA
Latitude 32.1017867					Longitude 103.5102835			NAD 1983	

First Take Point (FTP)

UL F	Section 30	Township 25S	Range 34E	Lot	Feet 2187	From N/S NORTH	Feet 2302	From E/W WEST	County LEA
Latitude 32.1027503					Longitude 103.5100897			NAD 1983	

Last Take Point (LTP)

UL C	Section 19	Township 25S	Range 34E	Lot	Feet 158	From N/S NORTH	Feet 2292	From E/W WEST	County LEA
Latitude 32.1228472					Longitude 103.5101135			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 # 30-025-46559		
Operator Name: EOG RESOURCES, INC	Property Name: JAVELINA 30 FEDERAL	Well Number #703H

KZ 06/29/2018



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Javelina 30 Fed

#704H

OH

Design: OH

Midland PVA

24 January, 2020



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3346.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3346.0usft
Well:	#704H	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	#704H		
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' 9.186 N
		Longitude:	103° 30' 39.539 W
		Ground Level:	3,321.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	12/20/2019	6.72
			Dip Angle
			59.94
			Field Strength
			47,687.04415946

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
			1.68

Survey Program	Date 1/24/2020		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		Description
120.0	20,077.0	Total MWD (OH)	EOG MWD+IFR1
			MWD + IFR1



Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Javelina 30 Fed
Well: #704H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference: KB = 25 @ 3346.0usft
MD Reference: KB = 25 @ 3346.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM

Survey	MD (usft)	Incl (°)	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	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0
	120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	0.00	0.0
	223.0	1.10	23.40	223.0	0.9	0.4	1.07	1.07	1.07	0.00	0.0
	312.0	1.00	22.60	312.0	2.4	1.0	0.11	-0.11	-0.90	-2.6	0.0
	400.0	0.70	27.40	400.0	3.6	1.6	0.35	-0.34	5.45	-3.9	0.3
	488.0	0.70	41.10	488.0	4.5	2.2	0.19	0.00	15.57	-4.8	1.3
	588.0	0.50	78.80	588.0	5.0	3.0	0.43	-0.20	37.70	-3.9	4.3
	683.0	0.30	114.40	683.0	5.0	3.6	0.33	-0.21	37.47	-1.2	6.1
	779.0	0.60	108.30	779.0	4.7	4.3	0.32	0.31	-6.35	-2.6	5.9
	874.0	0.70	128.90	873.9	4.2	5.3	0.27	0.11	21.68	-1.4	6.6
	969.0	1.00	147.40	968.9	3.2	6.2	0.42	0.22	19.47	-0.7	6.9
	1,064.0	1.50	135.40	1,063.9	1.6	7.5	0.59	0.53	-12.63	-4.1	6.4
	1,265.0	2.00	159.20	1,254.8	-3.3	10.4	0.66	0.26	12.46	-6.8	8.6
	1,360.0	4.30	142.60	1,349.7	-7.7	13.2	2.58	2.42	-17.47	-13.7	5.8
	1,446.0	7.20	134.60	1,445.2	-14.8	19.6	3.13	3.02	-8.33	-20.7	3.6
	1,541.0	8.20	132.20	1,539.3	-23.5	28.9	1.11	1.05	-2.53	-27.2	3.3
	1,636.0	8.20	133.90	1,633.4	-32.8	38.8	0.26	0.00	1.79	-31.3	5.2
	1,731.0	8.40	135.60	1,727.4	-42.4	48.5	0.33	0.21	1.79	-35.0	7.0
	1,827.0	8.60	137.40	1,822.3	-52.7	58.3	0.35	0.21	1.87	-39.0	8.7
	1,922.0	8.70	137.30	1,916.2	-63.2	68.0	0.11	0.11	-0.11	-43.4	9.0
	2,017.0	8.50	124.70	2,010.2	-72.5	78.6	1.99	-0.21	-13.26	-48.8	0.3
	2,112.0	8.90	127.80	2,104.1	-81.0	90.2	0.65	0.42	3.26	-53.4	5.3
	2,207.0	8.10	127.80	2,198.0	-89.6	101.3	0.84	-0.84	0.00	-57.7	7.3
	2,302.0	6.90	127.40	2,292.2	-97.2	111.1	1.26	-1.26	-0.42	-60.5	9.0
	2,398.0	7.00	125.70	2,387.5	-104.1	120.5	0.24	0.10	-1.77	-62.6	9.4
	2,493.0	7.20	125.60	2,481.8	-110.9	130.0	0.21	0.21	-0.11	-64.8	11.7
	2,588.0	6.50	130.10	2,576.1	-117.9	139.0	0.93	-0.74	4.74	-65.2	18.8



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3346.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3346.0usft
Well:	#704H	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)	
2,684.0	5.60	132.20	2,671.6	-124.5	146.6	0.97	-0.94	2.19	-64.6	22.6	
2,779.0	5.50	133.70	2,766.1	-130.8	153.3	0.19	-0.11	1.58	-63.3	25.4	
2,874.0	5.50	131.50	2,860.7	-136.9	160.0	0.22	0.00	-2.32	-63.5	24.2	
2,969.0	5.50	130.70	2,955.2	-142.9	166.9	0.08	0.00	-0.84	-63.2	24.7	
3,065.0	6.10	128.10	3,050.8	-149.1	174.4	0.68	0.62	-2.71	-64.1	23.6	
3,160.0	6.70	123.70	3,145.2	-155.3	183.0	0.82	0.63	-4.63	-66.7	21.0	
3,255.0	7.90	118.30	3,239.4	-161.4	193.3	1.45	1.26	-5.68	-71.2	17.7	
3,351.0	8.80	126.60	3,334.4	-168.9	205.0	1.56	0.94	8.65	-72.0	31.0	
3,446.0	9.00	126.00	3,428.2	-177.6	216.9	0.23	0.21	-0.63	-77.4	32.5	
3,542.0	7.80	125.90	3,523.2	-185.9	228.2	1.25	-1.25	-0.10	-81.8	34.7	
3,638.0	6.70	125.90	3,618.4	-193.0	238.0	1.15	-1.15	0.00	-84.2	37.0	
3,733.0	5.90	142.60	3,712.9	-200.1	245.5	2.10	-0.84	17.58	-70.4	60.6	
3,829.0	5.90	149.90	3,808.4	-208.3	251.0	0.78	0.00	7.60	-62.1	67.8	
3,924.0	4.70	153.40	3,903.0	-216.0	255.1	1.31	-1.26	3.68	-57.0	69.4	
4,020.0	3.50	128.80	3,998.7	-221.3	259.2	2.19	-1.25	-25.62	-77.3	39.8	
4,115.0	3.80	111.80	4,093.5	-224.3	264.4	1.18	0.32	-17.89	-82.6	19.3	
4,211.0	4.20	132.60	4,189.3	-227.9	269.9	1.56	0.42	21.67	-67.0	49.6	
4,306.0	4.30	134.30	4,284.0	-232.7	275.0	0.17	0.11	1.79	-62.6	52.5	
4,402.0	4.30	119.90	4,379.8	-237.0	280.7	1.12	0.00	-15.00	-71.3	37.8	
4,497.0	6.10	111.80	4,474.4	-240.7	288.5	2.04	1.89	-8.53	-75.7	31.6	
4,593.0	8.00	123.10	4,569.6	-246.2	298.8	2.44	1.98	11.77	-70.1	49.6	
4,688.0	7.10	131.60	4,663.8	-253.7	308.8	1.51	-0.95	8.95	-64.7	61.7	
4,784.0	8.60	137.20	4,758.9	-263.0	318.1	1.75	1.56	5.83	-61.5	68.7	
4,879.0	9.70	148.20	4,852.7	-275.0	327.1	2.17	1.16	11.58	-52.5	79.0	
4,975.0	7.90	151.20	4,947.6	-287.6	334.6	1.93	-1.87	3.12	-53.3	80.0	
5,070.0	3.30	157.60	5,042.1	-295.9	338.7	4.88	-4.84	6.74	-43.8	83.1	
5,166.0	0.80	247.40	5,138.1	-298.7	339.2	3.53	-2.60	93.54	79.3	37.1	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3346.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3346.0usft
Well:	#704H	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)	
5,261.0	0.50	237.70	5,233.0	-299.2	338.2	0.34	-0.32	-10.21	69.4	39.9	
5,357.0	0.40	223.60	5,329.0	-299.6	337.6	0.15	-0.10	-14.69	57.8	45.6	
5,452.0	0.30	237.00	5,424.0	-300.0	337.2	0.14	-0.11	14.11	64.9	21.2	
5,547.0	1.00	280.90	5,519.0	-300.0	336.2	0.85	0.74	46.21	54.1	-34.6	
5,738.0	1.50	293.50	5,710.0	-298.7	332.2	0.30	0.26	6.60	34.9	-48.2	
5,833.0	1.80	301.80	5,805.0	-297.4	329.8	0.40	0.32	8.74	24.8	-52.6	
5,928.0	1.60	301.60	5,899.9	-295.9	327.4	0.21	-0.21	-0.21	22.2	-52.5	
6,023.0	1.50	298.90	5,994.9	-294.6	325.2	0.13	-0.11	-2.84	22.1	-51.5	
6,119.0	1.70	278.30	6,090.8	-293.8	322.7	0.63	0.21	-21.46	36.2	-40.9	
6,214.0	1.80	280.70	6,185.8	-293.3	319.9	0.13	0.11	2.53	31.5	-42.3	
6,309.0	0.80	281.50	6,280.8	-292.9	317.7	1.05	-1.05	0.84	28.8	-42.7	
6,404.0	0.40	277.00	6,375.8	-292.7	316.8	0.42	-0.42	-4.74	31.1	-40.3	
6,500.0	0.50	282.30	6,471.8	-292.6	316.0	0.11	0.10	5.52	26.5	-43.0	
6,595.0	0.60	326.60	6,566.8	-292.1	315.3	0.45	0.11	46.63	-11.9	-49.0	
6,690.0	0.50	354.50	6,661.8	-291.3	315.0	0.30	-0.11	29.37	-34.3	-37.5	
6,786.0	0.70	345.90	6,757.7	-290.3	314.8	0.23	0.21	-8.96	-29.3	-42.3	
6,881.0	0.40	351.20	6,852.7	-289.4	314.6	0.32	-0.32	5.58	-34.0	-39.3	
6,976.0	0.70	339.40	6,947.7	-288.5	314.4	0.34	0.32	-12.42	-26.1	-45.5	
7,071.0	0.70	313.80	7,042.7	-287.6	313.8	0.33	0.00	-26.95	-5.0	-52.6	
7,167.0	0.80	319.10	7,138.7	-286.7	312.9	0.13	0.10	5.52	-11.1	-51.8	
7,262.0	1.00	314.80	7,233.7	-285.6	311.9	0.22	0.21	-4.53	-8.7	-52.6	
7,357.0	0.20	266.00	7,328.7	-285.0	311.1	0.93	-0.84	-51.37	33.1	-41.8	
7,452.0	0.50	171.60	7,423.7	-285.4	311.0	0.58	0.32	-89.37	38.7	36.1	
7,547.0	0.30	193.50	7,518.7	-286.1	311.0	0.26	-0.21	23.05	48.7	19.2	
7,643.0	0.30	234.60	7,614.7	-286.5	310.8	0.22	0.00	42.81	48.9	-17.4	
7,738.0	0.40	244.10	7,709.7	-286.8	310.3	0.12	0.11	10.00	44.8	-25.2	
7,833.0	0.60	225.50	7,804.7	-287.3	309.6	0.27	0.21	-19.58	49.7	-9.7	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3346.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3346.0usft
Well:	#704H	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)	
7,929.0	0.60	232.90	7,900.7	-287.9	308.9	0.08	0.00	7.71	47.0	-16.0	
8,024.0	0.80	222.20	7,995.7	-288.7	308.0	0.25	0.21	-11.26	48.0	-7.1	
8,119.0	0.80	223.20	8,090.7	-289.7	307.1	0.01	0.00	1.05	46.5	-7.9	
8,228.9	0.68	231.87	8,200.5	-290.6	306.1	0.15	-0.11	7.89	43.4	-14.7	
Brushy Top(Javelina 30 fed #704H)											
8,310.0	0.60	240.40	8,281.7	-291.2	305.3	0.15	-0.10	10.52	39.8	-20.9	
8,405.0	0.60	248.50	8,376.7	-291.6	304.4	0.09	0.00	8.53	35.5	-26.2	
8,500.0	0.70	251.60	8,471.6	-291.9	303.4	0.11	0.11	3.26	33.0	-28.1	
8,595.0	0.70	255.50	8,566.6	-292.3	302.3	0.05	0.00	4.11	29.8	-30.2	
8,690.0	0.70	268.40	8,661.6	-292.4	301.2	0.17	0.00	13.58	21.2	-36.0	
8,786.0	0.40	262.90	8,757.6	-292.5	300.2	0.32	-0.31	-5.73	23.6	-33.8	
8,881.0	0.70	271.10	8,852.6	-292.5	299.3	0.33	0.32	8.63	17.6	-36.8	
8,976.0	0.50	274.70	8,947.6	-292.5	298.3	0.21	-0.21	3.79	14.3	-37.8	
9,072.0	0.70	266.00	9,043.6	-292.5	297.3	0.23	0.21	-9.06	18.8	-35.3	
9,167.0	0.60	279.20	9,138.6	-292.4	296.3	0.19	-0.11	13.89	9.2	-38.5	
9,262.0	0.80	277.30	9,233.6	-292.3	295.1	0.21	0.21	-2.00	9.3	-38.2	
9,357.0	0.60	279.80	9,328.6	-292.1	294.0	0.21	-0.21	2.63	6.5	-38.6	
9,452.0	0.70	293.90	9,423.6	-291.8	293.0	0.20	0.11	14.84	-4.1	-38.9	
9,548.0	0.70	310.80	9,519.6	-291.2	292.0	0.21	0.00	17.60	-16.4	-35.8	
9,643.0	1.00	325.50	9,614.6	-290.1	291.1	0.39	0.32	15.47	-26.3	-30.3	
9,738.0	1.40	334.70	9,709.5	-288.4	290.1	0.47	0.42	9.68	-32.8	-25.6	
9,833.0	1.00	281.70	9,804.5	-287.2	288.8	1.19	-0.42	-55.79	-0.9	-42.6	
9,929.0	1.30	330.50	9,900.5	-286.0	287.4	1.03	0.31	50.83	-34.2	-26.8	
10,024.0	1.70	2.50	9,995.5	-283.7	287.0	0.96	0.42	33.68	-45.5	-4.0	
10,119.0	2.00	359.30	10,090.4	-280.6	287.0	0.33	0.32	-3.37	-48.3	-6.6	
10,310.0	3.00	309.60	10,281.3	-274.1	283.1	1.20	0.52	-26.02	-33.3	-43.7	
10,405.0	3.50	285.70	10,376.1	-271.7	278.4	1.51	0.53	-25.16	-18.0	-54.4	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3346.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3346.0usft
Well:	#704H	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)	
10,500.0	2.80	276.90	10,471.0	-270.7	273.3	0.89	-0.74	-9.26	-14.6	-57.0	
10,595.0	3.60	274.00	10,565.8	-270.2	268.0	0.86	0.84	-3.05	-17.0	-57.8	
10,690.0	2.60	289.00	10,660.7	-269.3	263.0	1.35	-1.05	15.79	-36.4	-50.6	
10,785.0	1.00	266.60	10,755.6	-268.6	260.2	1.81	-1.68	-23.58	-17.2	-61.5	
10,881.0	1.90	215.40	10,851.6	-270.0	258.4	1.56	0.94	-53.33	35.0	-52.6	
10,976.0	1.50	216.60	10,946.6	-272.3	256.7	0.42	-0.42	1.26	31.1	-53.3	
11,071.0	1.20	218.30	11,041.5	-274.0	255.4	0.32	-0.32	1.79	27.3	-54.2	
11,166.0	1.50	237.80	11,136.5	-275.5	253.7	0.67	0.32	20.53	5.4	-50.8	
11,262.0	1.40	251.00	11,232.5	-276.5	251.5	0.36	-0.10	13.75	-10.8	-59.2	
11,357.0	1.80	240.00	11,327.4	-277.7	249.2	0.53	0.42	-11.58	-1.9	-60.4	
11,452.0	1.50	235.80	11,422.4	-279.1	246.8	0.34	-0.32	-4.42	-0.2	-60.5	
11,542.0	1.70	270.40	11,512.4	-279.8	244.5	1.08	0.22	38.44	-36.8	-49.0	
11,738.0	4.10	275.70	11,708.1	-279.0	234.6	1.23	1.22	2.70	-51.0	-45.2	
11,743.4	4.07	275.61	11,713.5	-279.0	234.3	0.64	-0.63	-1.63	-51.3	-45.3	
FTP Crossing, MD:11743.4', TVD:11713.5', N/S:-279.0', EW:234.3', INC:4.07											
11,833.0	3.50	273.90	11,802.9	-278.5	228.4	0.64	-0.63	-1.91	-55.9	-46.9	
11,894.0	3.20	267.10	11,863.8	-278.5	224.8	0.82	-0.49	-11.15	-53.5	-53.4	
11,961.0	2.40	279.40	11,930.7	-278.3	221.6	1.49	-1.19	18.36	-66.9	-40.3	
12,057.0	1.10	274.00	12,026.7	-277.9	218.7	1.36	-1.35	-5.62	-65.7	-46.6	
12,095.0	4.70	358.29	12,064.6	-276.4	218.3	12.42	9.47	221.81	-54.4	61.2	
KOP, MD:12095.0', TVD:12064.6', N/S:-276.4', EW:218.3', INC:4.70											
12,152.0	11.70	6.40	12,121.0	-268.3	218.8	12.42	12.28	14.23	-52.6	68.8	
12,247.0	23.40	13.50	12,211.4	-240.2	224.3	12.50	12.32	7.47	-59.2	71.6	
12,342.0	36.30	12.90	12,293.7	-194.3	235.0	13.58	13.58	-0.63	-74.6	60.9	
12,437.0	43.80	12.80	12,366.3	-134.7	248.6	7.90	7.89	-0.11	-84.1	45.2	
12,480.4	47.58	10.71	12,396.7	-104.3	254.9	9.36	8.70	-4.81	-85.8	35.2	
FTP(Javelina 30 fed #704H)											



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3346.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3346.0usft
Well:	#704H	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	52.20	8.50	12,430.5	-64.7	261.6	9.36	8.79	-4.21	-84.3	24.5	
12,628.0	55.30	6.40	12,486.7	11.3	271.5	3.72	3.26	-2.21	-68.9	9.8	
12,723.0	61.30	1.10	12,536.6	91.8	276.7	7.90	6.32	-5.58	-39.4	1.1	
12,818.0	69.40	357.00	12,576.2	178.1	275.2	9.38	8.53	-4.32	-3.0	1.8	
12,913.0	89.00	356.80	12,593.9	270.8	270.1	20.63	20.63	-0.21	16.0	6.0	
12,961.0	91.60	356.40	12,593.7	318.7	267.3	5.48	5.42	-0.83	16.5	8.4	
13,009.0	91.60	356.10	12,592.3	366.6	264.1	0.62	0.00	-0.62	15.8	11.2	
13,104.0	92.10	0.80	12,589.3	461.5	261.6	4.97	0.53	4.95	14.1	13.0	
13,199.0	93.50	0.80	12,584.6	556.4	262.9	1.47	1.47	0.00	10.9	10.9	
13,294.0	91.60	2.40	12,580.4	651.2	265.6	2.61	-2.00	1.68	8.0	7.5	
13,320.8	92.24	2.87	12,579.5	678.0	266.8	2.98	2.40	1.77	7.5	6.0	
TGT#1(Javelina 30 fed #704H)											
13,390.0	93.90	4.10	12,575.8	746.9	271.0	2.98	2.40	1.77	5.3	1.3	
13,485.0	91.00	0.80	12,571.7	841.7	275.0	4.62	-3.05	-3.47	3.5	-3.5	
13,580.0	90.10	1.10	12,570.8	936.7	276.6	1.00	-0.95	0.32	4.8	-5.9	
13,675.0	92.40	3.30	12,568.8	1,031.6	280.3	3.35	2.42	2.32	5.0	-10.3	
13,770.0	89.80	359.50	12,566.9	1,126.5	282.6	4.85	-2.74	-4.00	5.3	-13.4	
13,865.0	88.50	357.80	12,568.3	1,221.5	280.3	2.25	-1.37	-1.79	9.0	-11.9	
13,960.0	89.40	358.00	12,570.1	1,316.4	276.9	0.97	0.95	0.21	12.9	-9.2	
14,056.0	90.20	358.00	12,570.4	1,412.4	273.5	0.83	0.83	0.00	15.5	-6.7	
14,151.0	93.10	358.10	12,567.7	1,507.3	270.3	3.05	3.05	0.11	15.0	-4.2	
14,246.0	90.40	1.40	12,564.8	1,602.2	269.9	4.49	-2.84	3.47	14.3	-4.5	
14,341.0	89.80	2.00	12,564.6	1,697.1	272.7	0.89	-0.63	0.63	16.4	-8.1	
14,436.0	90.30	1.90	12,564.5	1,792.1	275.9	0.54	0.53	-0.11	18.5	-12.1	
14,532.0	88.70	0.90	12,565.4	1,888.1	278.3	1.97	-1.67	-1.04	21.6	-15.3	
14,627.0	89.20	1.30	12,567.1	1,983.0	280.1	0.67	0.53	0.42	25.5	-17.8	
14,722.0	92.80	3.10	12,565.5	2,077.9	283.7	4.24	3.79	1.89	26.2	-22.2	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3346.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3346.0usft
Well:	#704H	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)	
14,817.0	89.30	357.30	12,563.7	2,172.8	284.1	7.13	-3.68	-6.11	26.6	-23.4	
14,912.0	88.70	355.20	12,565.4	2,267.6	277.8	2.30	-0.63	-2.21	30.4	-17.9	
15,007.0	90.60	355.30	12,566.0	2,362.3	270.0	2.00	2.00	0.11	33.2	-10.9	
15,038.8	91.47	356.30	12,565.4	2,394.0	267.7	4.18	2.74	3.15	33.4	-8.8	
TGT#2(Javelina 30 fed #704H)											
15,102.0	93.20	358.30	12,562.8	2,457.1	264.7	4.18	2.74	3.16	31.9	-6.3	
15,197.0	91.20	357.70	12,559.2	2,551.9	261.4	2.20	-2.11	-0.63	29.7	-3.8	
15,292.0	91.90	358.00	12,556.6	2,646.8	257.8	0.80	0.74	0.32	28.7	-1.0	
15,387.0	90.00	359.10	12,555.0	2,741.8	255.4	2.31	-2.00	1.16	28.6	0.7	
15,482.0	90.90	359.30	12,554.3	2,836.8	254.1	0.97	0.95	0.21	29.3	1.2	
15,578.0	90.40	1.30	12,553.2	2,932.8	254.6	2.15	-0.52	2.08	29.7	0.0	
15,673.0	91.60	2.50	12,551.5	3,027.7	257.7	1.79	1.26	1.26	29.5	-3.9	
15,768.0	91.50	3.10	12,548.9	3,122.5	262.4	0.64	-0.11	0.63	28.5	-9.3	
15,863.0	88.90	2.60	12,548.6	3,217.4	267.1	2.79	-2.74	-0.53	29.6	-14.9	
15,958.0	88.80	2.90	12,550.5	3,312.3	271.6	0.33	-0.11	0.32	33.0	-20.2	
16,054.0	89.40	359.20	12,552.0	3,408.2	273.4	3.90	0.62	-3.85	36.0	-22.7	
16,149.0	90.10	359.40	12,552.4	3,503.2	272.2	0.77	0.74	0.21	37.9	-22.4	
16,244.0	91.00	358.20	12,551.5	3,598.2	270.3	1.58	0.95	-1.26	38.5	-21.1	
16,311.9	92.21	358.63	12,549.6	3,666.0	268.4	1.90	1.79	0.63	37.6	-19.8	
TGT#3(Javelina 30 fed #704H)											
16,339.0	92.70	358.80	12,548.5	3,693.1	267.8	1.90	1.79	0.63	36.8	-19.4	
16,434.0	92.10	358.00	12,544.5	3,788.0	265.1	1.05	-0.63	-0.84	33.7	-17.5	
16,529.0	92.40	357.20	12,540.8	3,882.8	261.1	0.90	0.32	-0.84	31.0	-14.3	
16,624.0	88.90	356.80	12,539.7	3,977.7	256.2	3.71	-3.68	-0.42	30.8	-10.1	
16,720.0	90.40	358.60	12,540.3	4,073.6	252.3	2.44	1.56	1.87	32.4	-7.1	
16,815.0	89.40	356.30	12,540.4	4,168.5	248.1	2.64	-1.05	-2.42	33.5	-3.6	
16,910.0	91.00	356.70	12,540.1	4,263.3	242.3	1.74	1.68	0.42	34.1	1.4	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3346.0usft
Site:	Javelina 30 Fed	MD Reference:	KB = 25 @ 3346.0usft
Well:	#704H	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)	Buile (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)		
17,005.0	91.50	355.70	12,538.0	4,358.1	236.0	1.18	0.53	-1.05	32.9	6.9		
17,100.0	91.60	358.60	12,535.5	4,452.9	231.3	3.05	0.11	3.05	31.3	10.9		
17,195.0	90.30	0.30	12,533.9	4,547.9	230.4	2.25	-1.37	1.79	30.7	11.1		
17,290.0	90.80	1.10	12,533.0	4,642.9	231.5	0.99	0.53	0.84	30.7	9.1		
17,385.0	90.50	3.50	12,531.9	4,737.8	235.3	2.55	-0.32	2.53	30.5	4.5		
17,481.0	90.10	1.90	12,531.4	4,833.7	239.9	1.72	-0.42	-1.67	31.0	-0.8		
17,576.0	91.60	2.50	12,530.0	4,928.6	243.5	1.70	1.58	0.63	30.5	-5.2		
17,672.0	90.30	0.50	12,528.4	5,024.6	246.0	2.48	-1.35	-2.08	29.0	-8.5		
17,767.0	91.40	1.10	12,527.0	5,119.5	247.3	1.32	1.16	0.63	29.4	-10.6		
17,862.0	89.40	0.10	12,526.3	5,214.5	248.3	2.35	-2.11	-1.05	29.7	-12.3		
17,957.0	90.70	0.00	12,526.2	5,309.5	248.4	1.37	1.37	-0.11	30.5	-13.2		
18,052.0	89.40	359.10	12,526.2	5,404.5	247.7	1.66	-1.37	-0.95	31.4	-13.2		
18,147.0	91.20	359.70	12,525.7	5,499.5	246.7	2.00	1.89	0.63	31.8	-13.0		
18,242.0	92.60	359.50	12,522.5	5,594.4	246.0	1.49	1.47	-0.21	29.6	-13.1		
18,334.0	89.60	358.44	12,520.7	5,686.4	244.4	3.46	-3.26	-1.16	28.7	-12.2		
TGT#4(Javelina 30 fed #704H)												
18,337.0	89.50	358.40	12,520.8	5,689.4	244.3	3.46	-3.26	-1.16	28.8	-12.1		
18,433.0	88.20	357.10	12,522.7	5,785.3	240.5	1.91	-1.35	-1.35	31.0	-9.1		
18,528.0	88.20	356.40	12,525.7	5,880.1	235.1	0.74	0.00	-0.74	34.1	-4.5		
18,623.0	89.10	356.30	12,527.9	5,974.9	229.1	0.95	0.95	-0.11	36.5	0.7		
18,719.0	90.50	356.80	12,528.2	6,070.7	223.3	1.55	1.46	0.52	37.0	5.7		
18,814.0	92.00	357.50	12,526.2	6,165.6	218.6	1.74	1.58	0.74	35.1	9.7		
18,909.0	90.60	357.30	12,524.0	6,260.4	214.3	1.49	-1.47	-0.21	33.1	13.2		
19,004.0	91.50	357.50	12,522.3	6,355.3	210.0	0.97	0.95	0.21	31.5	16.8		
19,100.0	91.70	358.60	12,519.6	6,451.2	206.7	1.16	0.21	1.15	29.0	19.3		
19,195.0	89.40	0.60	12,518.7	6,546.2	206.0	3.21	-2.42	2.11	28.2	19.2		
19,290.0	91.10	1.20	12,518.3	6,641.2	207.5	1.90	1.79	0.63	28.0	16.9		



Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Javelina 30 Fed
Well: #704H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25 @ 3346.0usft
MD Reference: KB = 25 @ 3346.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
19,385.0	92.30	0.90	12,515.5	6,736.1	209.3	1.30	1.26	-0.32	25.3	14.4
19,480.0	90.00	0.30	12,513.5	6,831.1	210.3	2.50	-2.42	-0.63	23.5	12.6
19,575.0	90.50	0.10	12,513.1	6,926.1	210.6	0.57	0.53	-0.21	23.3	11.5
19,670.0	90.30	359.80	12,512.5	7,021.1	210.5	0.38	-0.21	-0.32	22.8	10.8
19,765.0	92.00	359.80	12,510.6	7,116.1	210.2	1.79	1.79	0.00	21.0	10.4
19,860.0	92.20	0.70	12,507.1	7,211.0	210.6	0.97	0.21	0.95	17.7	9.2
19,956.0	91.60	0.50	12,503.9	7,306.9	211.6	0.66	-0.62	-0.21	14.7	7.4
20,022.0	91.80	0.60	12,501.9	7,372.9	212.2	0.34	0.30	0.15	12.8	6.3
Last MWD Survey (MD=20022.0')										
20,077.0	91.90	0.70	12,500.2	7,427.9	212.9	0.26	0.18	0.18	11.2	5.2
Projection to Bit (MD=20077.0') -PBHL(Javelina 30 fed #704H)										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,743.4	11,713.5	-279.0	234.3	FTP Crossing, MD:11743.4', TVD:11713.5', N/S:-279.0', E/W:234.3', INC:4.07
12,095.0	12,064.6	-276.4	218.3	KOP, MD:12095.0', TVD:12064.6', N/S:-276.4', E/W:218.3', INC:4.70
20,022.0	12,501.9	7,372.9	212.2	Last MWD Survey (MD=20022.0')
20,077.0	12,500.2	7,427.9	212.9	Projection to Bit (MD=20077.0')

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



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

#704H

Plan #1



Azimuths to Grid North
True North: 0.44°
Magnetic North: 6.28°
Magnetic Field
Strength: 47667.0nT
Dip Angle: 59.84°
Date: 12/20/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 0.28°
To convert a Magnetic Direction to a True Direction, Add 0.72° East
To convert a True Direction to a Grid Direction, Subtract 0.44°

WELL DETAILS: #704H

3321.0
KB = 25 @ 3345.0usft
+N-S +E-W Northing Easting
0.0 0.0 402016.00 795976.00
32° 6' 9.166 N 103° 30' 39.539 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.0	0.0	0.0	
3	1599.8	6.00	139.50	1599.2	-11.9	10.2	2.00	139.50	-11.6	
4	5442.4	6.00	139.50	5420.8	-317.1	270.8	0.00	0.00	-309.0	
5	5742.1	0.00	0.00	5720.0	-329.0	281.0	2.00	180.00	-320.6	
6	12124.3	0.00	0.00	12102.2	-329.0	281.0	0.00	0.00	-320.6	
7	12881.3	90.84	359.53	12579.6	155.4	277.1	12.00	359.53	163.5	
8	13403.2	90.84	359.53	12572.0	677.3	272.8	0.00	0.00	685.0	TGT#1(Javelina 30 fed #704H)
9	13428.4	91.34	359.53	12571.5	702.6	272.6	2.00	0.00	710.2	TGT#2(Javelina 30 fed #704H)
10	15118.9	91.34	359.53	12532.0	2302.4	258.9	0.00	0.00	2399.0	
11	15141.0	90.90	359.53	12531.6	2414.5	258.7	2.00	180.00	2421.1	TGT#3(Javelina 30 fed #704H)
12	16391.0	90.90	359.53	12512.0	3664.3	248.6	0.00	0.00	3670.0	TGT#4(Javelina 30 fed #704H)
13	16407.5	90.57	359.53	12511.8	3680.9	248.5	2.00	-180.00	3686.6	
14	18412.4	90.57	359.53	12492.0	5685.6	232.2	0.00	0.00	5690.0	
15	18435.9	90.10	359.53	12491.9	5709.1	232.0	2.00	-180.00	5713.5	
16	20159.9	90.10	359.53	12489.0	7433.0	218.0	0.00	0.00	7436.2	PBHL(Javelina 30 fed #704H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
Brushy Top(Javelina 30 fed #704H)	8200.0	-329.0	281.0	401687.00	785257.00	Polygon
PBHL(Javelina 30 fed #704H)	12489.0	7433.0	218.0	409468.00	791914.00	Rectangle (Sides: L0.9 W50.0)
TGT#1(Javelina 30 fed #704H)	12492.0	6685.6	232.2	407701.69	792028.18	Point
TGT#2(Javelina 30 fed #704H)	12512.0	3664.3	248.6	405880.30	792224.69	Point
TGT#3(Javelina 30 fed #704H)	12532.0	2302.4	258.9	404458.40	792344.91	Point
TGT#4(Javelina 30 fed #704H)	12572.0	677.3	272.8	402693.30	792488.83	Point
FTP(Javelina 30 fed #704H)	12582.0	-279.0	281.0	401737.00	792557.00	Point

