

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46523		² Pool Code 98094	³ Pool Name BOBCAT DRAW; UPPER WOLFCAMP
⁴ Property Code 326480	⁵ Property Name JAVELINA 30 FED COM		⁶ Well Number 708H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3323'

¹⁰Surface 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	418'	EAST	LEA

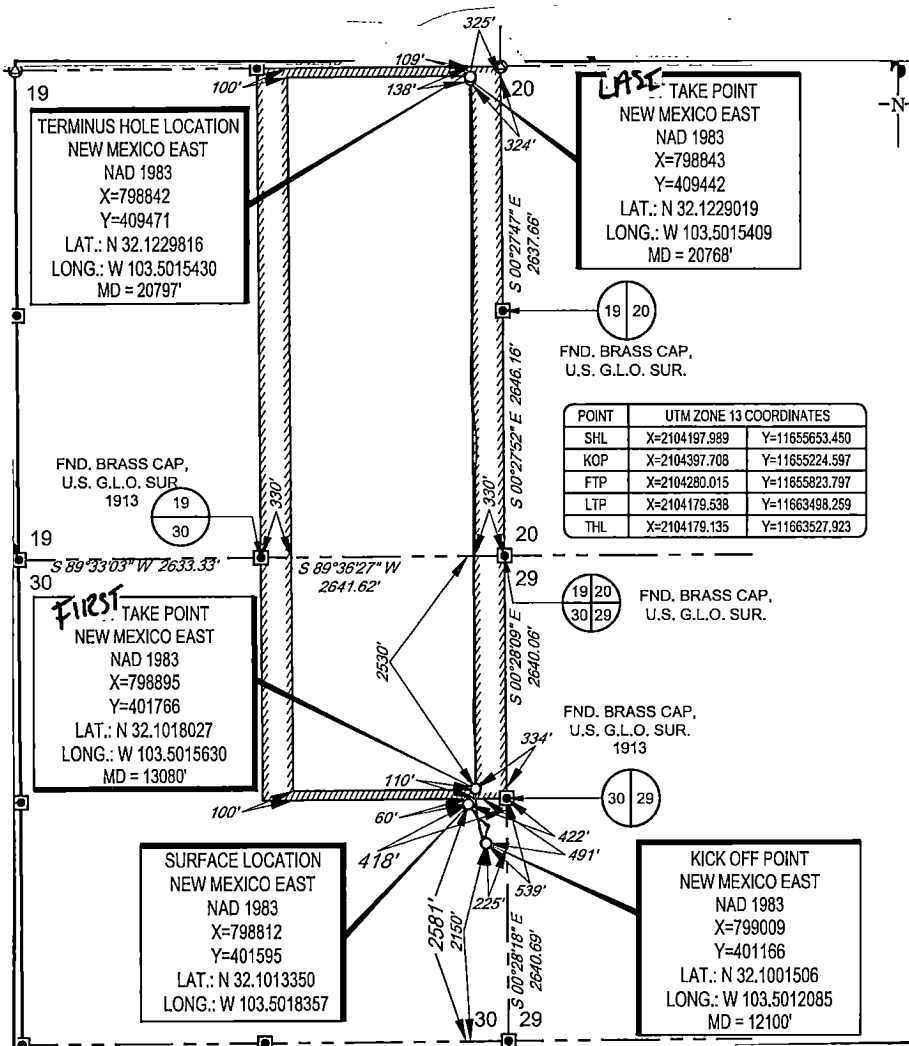
¹¹Bottom Hole Location If Different From Surface

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	-	109'	NORTH	325'	EAST	LEA

¹² Dedicated Acres 480.00	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.

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 released 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: 09/03/20

KAY MADDOX

Printed Name

kay_maddox@eogresources.com

E-mail Address

¹⁸SURVEYOR CERTIFICATION

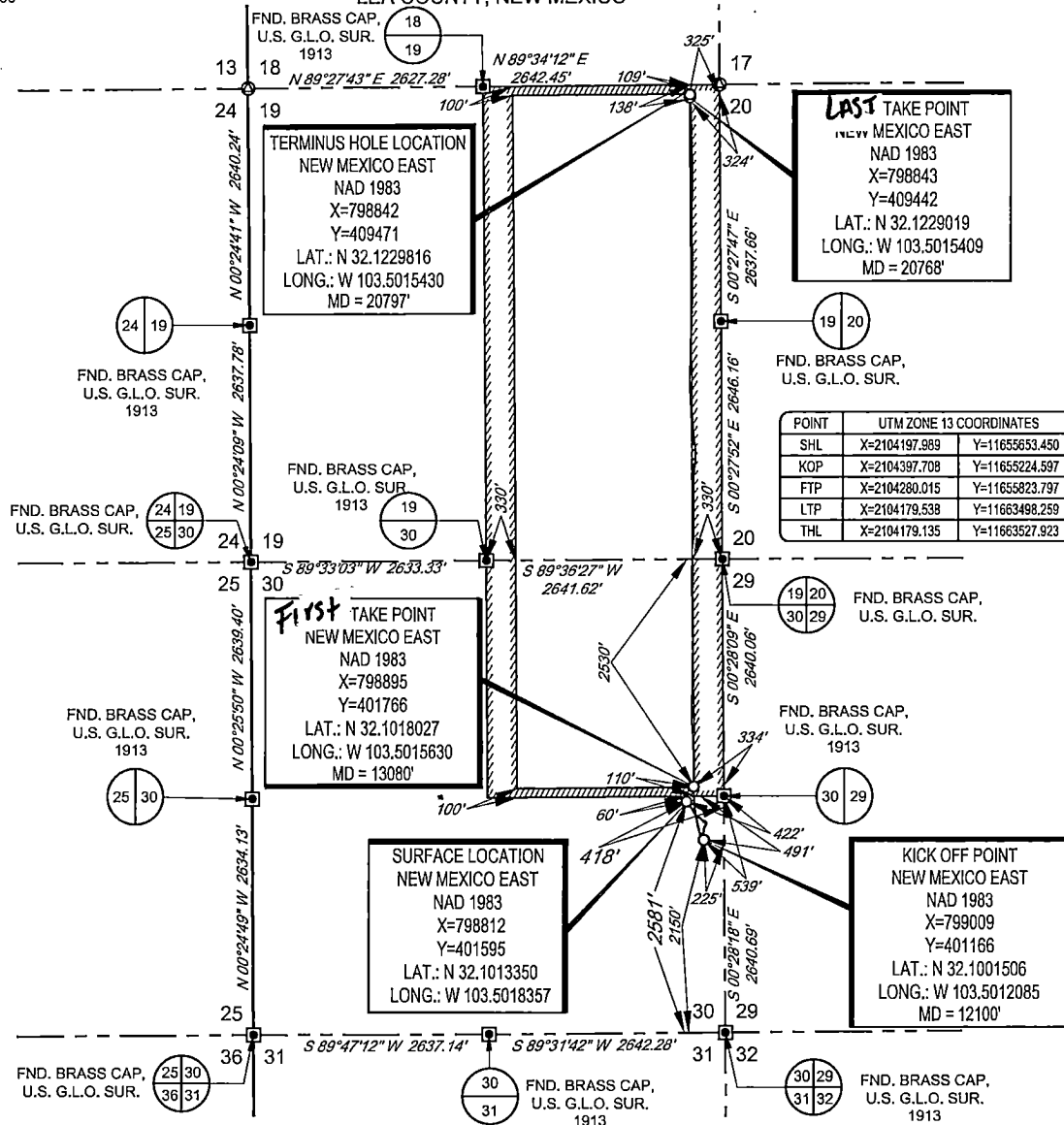
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

Date of Survey: 09/04/2019
Signature and Seal of Professional Surveyor: MICHAEL BROWN
Certificate Number: 18329

SCALE: 1" = 2000'

0' 1000' 2000'

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

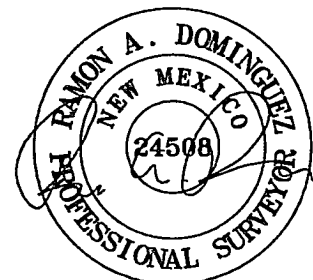


LEASE NAME & WELL NO.: JAVELINA 30 FED #708H
SECTION 30 TWP 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3323'
DESCRIPTION 2581' FSL & 418' FEL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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



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



JAVELINA 30 FED COM #708H AS-COMplete DATE: 03/04/2020 FILE: AD_JAVELINA_30_FED_708H DRAWN BY: JLS SHEET: 1 OF 1	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.

Intent ☐ As Drilled ☒

Rec'd 9/9/2020 - NMOCD

API #
30-025-46523

Operator Name: EOG RESOURCES, INC	Property Name: JAVELINA 30 FEDERAL COM	Well Number 708H
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Kick Off Point (KOP)

UL I	Section 30	Township 25S	Range 34E	Lot	Feet 2150	From N/S SOUTH	Feet 225	From E/W EAST	County LEA
Latitude 32.1001506					Longitude 103.5012085			NAD 1983	

First Take Point (FTP)

UL H	Section 30	Township 25S	Range 34E	Lot	Feet 2530	From N/S NORTH	Feet 334	From E/W EAST	County LEA
Latitude 32.1018027					Longitude 103.5015630			NAD 1983	

Last Take Point (LTP)

UL A	Section 19	Township 25S	Range 34E	Lot	Feet 138	From N/S NORTH	Feet 324	From E/W EAST	County LEA
Latitude 32.1229019					Longitude 103.5015409			NAD 1983	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

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: EOG RESOURCES, INC	Property Name: JAVELINA 30 FEDERAL COM	Well Number 706H
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KZ 06/29/2018



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Javelina 30 Fed Com

#708H

OH

Design: OH

Midland PVA

15 January, 2020



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	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	#708H		
Well Position	+N-S	0.0 usft	Northing:
	+E-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			usft
			Latitude:
			Longitude:
			Ground Level:

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	12/18/2019	6.64
			Dip Angle
			59.93
			Field Strength
			47,816.12204292

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
			(°)
			0.17

Survey Program	Date	1/15/2020		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
170.0	20,797.0	Total MWD #1 (OH)	EOG MWD+IFR1	MWD + IFR1



Midland PVA

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Site:	Javelina 30 Fed Com	MD Reference:	KB = 22 @ 3345.0usft
Well:	#708H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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
170.0	0.20	54.40	170.0	0.2	0.2	0.12	0.12	0.00	-0.3	0.0
350.0	0.90	57.90	350.0	1.1	1.7	0.39	0.39	1.94	-2.0	0.0
509.0	2.20	53.90	508.9	3.6	5.2	0.82	0.82	-2.52	-6.3	-0.2
699.0	2.70	38.20	698.8	9.2	10.9	0.44	0.26	-8.26	-14.0	-2.9
890.0	3.80	143.30	889.6	7.7	17.5	2.72	0.58	55.03	-4.3	18.6
1,005.0	8.10	153.90	1,003.9	-2.6	23.3	3.84	3.74	9.22	-12.6	19.9
1,081.0	10.00	153.10	1,079.0	-13.3	28.7	2.51	2.50	-1.05	-24.7	19.7
1,176.0	9.30	150.80	1,172.6	-27.4	36.2	0.84	-0.74	-2.42	-41.5	18.4
1,367.0	8.80	147.40	1,361.3	-53.2	51.6	0.38	-0.26	-1.78	-71.9	15.0
1,557.0	8.90	148.00	1,549.0	-77.9	67.2	0.07	0.05	0.32	-91.9	16.3
1,748.0	8.70	151.00	1,737.7	-103.0	82.0	0.26	-0.10	1.57	-109.3	21.8
1,938.0	8.40	149.70	1,925.6	-127.6	96.0	0.19	-0.16	-0.68	-127.3	19.2
2,128.0	5.80	145.70	2,114.2	-147.5	108.4	1.39	-1.37	-2.11	-141.0	10.2
2,318.0	2.00	135.10	2,303.7	-157.8	116.2	2.03	-2.00	-5.58	-142.8	-14.7
2,509.0	2.20	121.00	2,494.6	-162.0	121.6	0.29	0.10	-7.38	-132.3	-44.4
2,699.0	3.00	109.70	2,684.4	-165.6	129.5	0.50	0.42	-5.95	-121.4	-63.0
2,890.0	4.00	103.70	2,875.0	-168.9	140.6	0.56	0.52	-3.14	-118.4	-67.9
3,080.0	5.80	132.20	3,064.3	-176.9	154.2	1.57	0.95	15.00	-141.6	3.4
3,270.0	7.30	125.90	3,253.1	-190.4	171.1	0.87	0.79	-3.32	-152.9	-8.7
3,461.0	6.30	142.30	3,442.8	-205.8	187.3	1.14	-0.52	8.59	-160.5	39.9
3,652.0	2.70	150.70	3,633.1	-218.0	195.9	1.91	-1.88	4.40	-156.9	64.4
3,747.0	1.50	218.80	3,728.1	-221.0	196.2	2.69	-1.26	71.68	1.0	166.7
3,843.0	1.50	205.80	3,824.1	-223.1	194.9	0.35	0.00	-13.54	-35.8	157.8
3,938.0	1.30	195.40	3,919.0	-225.2	194.1	0.34	-0.21	-10.95	-62.1	144.7
4,129.0	1.40	74.10	4,110.0	-226.7	195.8	1.23	0.05	-63.51	-90.3	-119.3
4,319.0	1.00	30.20	4,300.0	-224.6	198.8	0.51	-0.21	-23.11	8.8	-140.9



Midland PVA

Company:	EOG Resources - Midland
Project:	Lea County, NM (NAD 83 NME)
Site:	Javelina 30 Fed Com
Well:	#708H
Wellbore:	OH
Design:	OH
Database:	EDM
Survey Calculation Method:	Gnd
North Reference:	KB = 22 @ 3345.0usft
MD Reference:	KB = 22 @ 3345.0usft
TVD Reference:	Well #708H
Local Co-ordinate Reference:	

Survey	MD (usft)	Inc (")	Azi (azimuth)	TVD (usft)	N/S	EW (usft)	Dleg (usft)	Build (usft)	Turn (usft)	High to Plan (usft)	Right to Plan (usft)
	4,510.0	1.90	23.00	4,490.9	-220.3	200.9	0.48	0.47	-3.77	14.8	-130.3
	4,892.0	4.40	126.30	4,872.4	-218.1	217.0	1.98	0.79	30.37	-122.1	-89.1
	5,082.0	3.10	137.10	5,062.0	-226.2	226.4	0.78	-0.68	5.68	-115.0	61.8
	5,273.0	1.10	156.50	5,252.9	-231.6	230.6	1.10	-1.05	10.16	-83.8	97.1
	5,463.0	1.00	153.20	5,442.8	-234.8	232.1	0.06	-0.05	-1.74	-81.9	91.5
	5,654.0	2.10	210.20	5,633.8	-239.3	231.1	0.93	0.58	29.84	33.2	110.5
	5,845.0	2.40	215.80	5,824.6	-245.6	227.0	0.19	0.16	2.93	41.0	97.2
	6,036.0	2.50	213.30	6,015.5	-252.3	222.4	0.08	0.05	-1.31	33.6	89.1
	6,226.0	2.00	215.50	6,205.3	-258.5	218.2	0.27	-0.26	1.16	34.2	78.0
	6,417.0	1.80	205.80	6,396.2	-264.0	214.9	0.18	-0.05	-5.03	20.5	73.1
	6,607.0	1.80	200.20	6,586.1	-269.7	212.5	0.11	-0.05	-3.00	14.1	68.3
	6,797.0	2.00	203.10	6,776.0	-275.5	210.1	0.12	0.11	1.53	17.7	57.0
	6,987.0	2.10	202.80	6,965.9	-281.8	207.5	0.05	0.05	-0.11	17.4	48.5
	7,176.0	1.90	200.50	7,154.8	-287.9	205.0	0.11	-0.11	-1.27	15.8	40.8
	7,271.0	1.90	199.60	7,249.7	-290.9	203.9	0.03	0.00	-0.95	15.6	36.9
	7,461.0	2.10	196.10	7,439.6	-297.2	201.9	0.12	0.11	-1.84	14.3	29.9
	7,650.0	2.20	194.30	7,628.5	-304.0	200.1	0.06	0.05	-0.95	14.1	22.8
	7,840.0	2.40	190.20	7,818.3	-311.5	198.5	0.14	0.11	-2.16	8.8	20.2
	8,031.0	2.10	189.40	8,009.2	-318.8	197.2	0.16	-0.16	-0.42	1.0	20.3
	8,222.0	2.10	183.50	8,200.0	-325.8	196.4	0.11	0.00	-3.09	-8.1	19.9
	8,257.7	2.08	183.48	8,235.7	-327.1	196.3	0.05	-0.05	-0.05	-9.4	19.9
Brushy Top (Have 30 FC #708H)	8,412.0	2.00	183.40	8,389.9	-332.6	196.0	0.05	-0.05	-0.05	-14.9	19.9
	8,603.0	1.90	189.30	8,580.8	-339.0	195.3	0.12	-0.05	3.09	-19.3	21.7
	8,794.0	1.90	189.50	8,771.7	-345.3	194.2	0.00	0.00	0.10	-25.5	21.8
	8,985.0	1.50	196.80	8,962.6	-350.8	193.0	0.24	-0.21	3.82	-28.2	25.2



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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)
9,176.0	1.40	205.10	9,153.5	-355.3	191.3	0.12	-0.05	4.35	-29.1	29.4
9,366.0	1.00	221.50	9,343.5	-358.6	189.2	0.28	-0.21	8.63	-23.5	37.1
9,462.0	1.00	232.30	9,439.5	-359.8	188.0	0.20	0.00	11.25	-17.8	41.0
9,652.0	0.90	262.90	9,629.5	-361.0	185.2	0.27	-0.05	16.11	2.6	45.1
9,843.0	1.30	290.60	9,820.4	-360.4	181.7	0.34	0.21	14.50	19.8	39.5
10,033.0	1.20	12.70	10,010.4	-357.7	180.1	0.86	-0.05	43.21	39.5	-12.1
10,224.0	1.00	293.40	10,201.4	-355.1	179.0	0.74	-0.10	-41.52	17.2	34.6
10,415.0	0.30	259.10	10,392.4	-354.5	177.0	0.40	-0.37	-17.96	-7.2	37.3
10,511.0	0.40	190.50	10,488.4	-354.9	176.7	0.42	0.10	-71.46	-37.8	6.7
10,606.0	3.30	193.30	10,583.3	-357.9	176.0	3.05	3.05	2.95	-40.5	8.5
10,796.0	5.80	202.60	10,772.7	-372.1	171.0	1.37	1.32	4.89	-53.6	15.9
10,987.0	1.90	187.40	10,963.2	-384.1	166.9	2.09	-2.04	-7.96	-68.4	-1.3
11,178.0	1.90	177.70	11,154.1	-390.4	166.6	0.17	0.00	-5.08	-73.5	-13.3
11,368.0	3.40	183.90	11,343.9	-399.2	166.4	0.80	0.79	3.26	-83.2	-5.0
11,559.0	3.40	140.70	11,534.6	-409.2	169.6	1.31	0.00	-22.62	-67.0	-64.5
11,750.0	3.30	123.10	11,725.3	-416.6	177.8	0.54	-0.05	-9.21	-55.3	-83.5
11,914.0	4.40	120.80	11,888.9	-422.4	187.1	0.68	0.67	-1.40	-62.8	-85.9
12,050.0	4.00	121.30	12,024.5	-427.6	195.7	0.30	-0.29	0.37	-73.5	-85.3
12,100.0	2.27	156.73	12,074.5	-429.4	197.6	5.04	-3.46	70.87	-111.8	-25.7
KOP, MD:12100.0, TVD:12074.5, N/S:-429.4, E/W:197.6, INC:2.27										
12,145.0	2.50	213.30	12,119.4	-431.0	197.4	5.04	0.51	125.70	-84.5	79.9
12,241.0	9.90	313.40	12,215.0	-427.1	190.2	11.07	7.71	104.27	90.3	73.9
12,336.0	17.30	332.40	12,307.3	-408.9	177.7	9.00	7.79	20.00	108.9	48.9
12,431.0	27.80	341.40	12,394.9	-375.3	164.0	11.60	11.05	9.47	111.1	39.5
12,526.0	37.80	344.00	12,474.7	-326.2	148.9	10.63	10.53	2.74	108.8	41.1
12,621.0	48.90	347.10	12,543.6	-263.1	132.8	11.89	11.68	3.26	104.6	41.8
12,717.0	62.60	347.40	12,597.5	-185.9	115.4	14.27	14.27	0.31	93.7	46.2



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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)
12,761.0	71.90	349.30	12,814.5	-146.2	107.2	21.51	21.14	4.32	85.6	46.9
12,786.0	75.90	349.70	12,821.5	-122.6	102.9	16.07	16.00	1.60	79.4	47.4
12,806.0	80.00	350.30	12,825.6	-103.3	99.5	20.71	20.50	3.00	73.7	47.8
12,816.0	82.30	351.80	12,827.2	-93.6	97.9	27.36	23.00	15.00	70.8	47.4
12,836.0	86.50	352.80	12,829.1	-73.8	95.3	21.58	21.00	5.00	63.9	47.1
12,856.0	91.10	354.90	12,829.6	-54.0	93.1	25.28	23.00	10.50	56.2	46.3
12,911.0	92.20	355.70	12,828.0	0.8	88.6	2.47	2.00	1.45	36.6	41.8
12,971.6	93.29	357.49	12,825.1	61.2	85.0	3.44	1.79	2.95	19.9	36.0
LL Crossing, MD:12971.6', TVD:12625.1', N/S:61.2', E/W:85.0', INC:93.29										
13,006.0	93.90	358.50	12,822.9	95.6	83.8	3.44	1.79	2.95	12.8	32.1
13,071.6	93.07	0.16	12,818.9	161.0	83.0	2.82	-1.26	2.53	5.8	23.2
FTP Crossing, MD:13071.6', TVD:12618.9', N/S:161.0', E/W:83.0', INC:93.07										
13,071.9	93.07	0.17	12,818.9	161.3	83.0	2.82	-1.26	2.53	5.8	23.2
FTP(Jave 30 FC #708H)										
13,101.0	92.70	0.90	12,817.4	190.4	83.3	2.82	-1.27	2.52	4.9	18.9
13,197.0	88.10	0.50	12,816.8	286.3	84.5	4.81	-4.79	-0.42	6.0	7.4
13,292.0	90.90	1.80	12,817.6	381.3	86.4	3.25	2.95	1.37	8.5	0.1
13,387.0	87.50	359.80	12,818.9	476.3	87.7	4.15	-3.58	-2.11	11.5	-2.5
13,483.0	86.10	358.60	12,824.3	572.1	86.4	1.92	-1.46	-1.25	18.6	-2.0
13,578.0	89.50	356.40	12,827.9	666.9	82.2	4.26	3.58	-2.32	24.0	1.3
13,632.4	89.33	355.60	12,828.5	721.2	78.4	1.51	-0.32	-1.47	25.5	4.6
TGT#1(Jave 30 FC #708H)										
13,673.0	89.20	355.00	12,829.0	761.7	75.1	1.51	-0.32	-1.47	26.6	7.6
13,768.0	90.80	357.50	12,829.0	856.4	68.9	3.12	1.68	2.63	28.1	13.1
13,864.0	91.30	356.30	12,827.3	952.3	63.7	1.35	0.52	-1.25	27.8	17.4
13,959.0	95.80	1.00	12,821.4	1,047.0	61.5	6.84	4.74	4.95	23.2	19.0
14,054.0	95.80	4.50	12,811.8	1,141.4	66.0	3.67	0.00	3.68	15.0	13.7



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #708H
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:	#708H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM

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)
14,149.0	89.40	2.60	12,607.5	1,236.1	71.9	7.03	-6.74	-2.00	12.2	7.0
14,245.0	89.30	0.40	12,608.6	1,332.0	74.4	2.29	-0.10	-2.29	14.7	3.7
14,340.0	90.10	359.40	12,609.0	1,427.0	74.2	1.35	0.84	-1.05	16.6	3.1
14,435.0	90.20	0.60	12,608.8	1,522.0	74.2	1.27	0.11	1.26	17.8	2.3
14,531.0	91.00	0.70	12,607.8	1,618.0	75.3	0.84	0.83	0.10	18.2	0.4
14,626.0	90.50	0.30	12,606.6	1,713.0	76.1	0.67	-0.53	-0.42	18.4	-1.2
14,721.0	90.50	0.20	12,605.7	1,808.0	76.6	0.11	0.00	-0.11	19.0	-2.4
14,817.0	90.30	0.00	12,605.1	1,904.0	76.7	0.29	-0.21	-0.21	19.8	-3.4
14,912.0	90.00	359.20	12,604.8	1,999.0	76.1	0.90	-0.32	-0.84	20.9	-3.5
14,968.9	90.00	358.84	12,604.8	2,055.9	75.1	0.63	0.00	-0.63	21.8	-3.0
TGT#2(Java 30 FC #708H)										
15,007.0	90.00	358.60	12,604.8	2,094.0	74.2	0.63	0.00	-0.63	22.6	-2.5
15,103.0	91.40	358.60	12,603.6	2,189.9	71.9	1.46	1.46	0.00	23.8	-0.9
15,198.0	90.60	358.40	12,602.0	2,284.9	69.4	0.87	-0.84	-0.21	24.4	0.8
15,293.0	91.80	357.90	12,600.0	2,379.8	66.3	1.37	1.26	-0.53	24.7	3.0
15,389.0	95.70	358.50	12,593.7	2,475.5	63.3	4.11	4.06	0.62	20.8	5.3
15,484.0	96.60	1.90	12,583.5	2,570.0	63.7	3.68	0.95	3.58	12.9	4.2
15,579.0	93.30	4.90	12,575.3	2,664.4	69.3	4.69	-3.47	3.16	7.0	-2.2
15,675.0	87.70	4.20	12,574.5	2,760.1	76.9	5.88	-5.83	-0.73	8.5	-10.6
15,770.0	87.80	0.50	12,578.2	2,854.9	80.8	3.89	0.11	-3.89	14.5	-15.3
15,865.0	87.70	359.60	12,582.0	2,949.9	80.9	0.95	-0.11	-0.95	20.5	-16.2
15,961.0	92.80	359.30	12,581.5	3,045.8	79.9	5.32	5.31	-0.31	22.4	-16.0
16,056.0	92.00	359.90	12,577.6	3,140.7	79.3	1.05	-0.84	0.63	20.8	-16.2
16,151.0	89.40	359.80	12,576.4	3,235.7	79.0	2.74	-2.74	-0.11	21.9	-16.7
16,210.9	89.90	0.36	12,576.8	3,295.6	79.1	1.25	0.83	0.94	23.7	-17.3
TGT#3(Java 30 FC #708H)										
16,247.0	90.20	0.70	12,576.7	3,331.7	79.4	1.25	0.83	0.94	24.5	-17.9



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Javelina 30 Fed Com
 Well: #708H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #708H
 TVD Reference: KB = 22 @ 3345.0usft
 MD Reference: KB = 22 @ 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)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
16,341.0	88.80	359.30	12,577.5	3,425.7	79.4	2.11	-1.49	-1.49	27.3	-18.7	
16,436.0	88.20	358.70	12,580.0	3,520.7	77.8	0.89	-0.63	-0.63	31.8	-17.8	
16,531.0	89.40	3.60	12,582.0	3,615.6	79.7	5.31	1.26	5.16	35.8	-20.4	
16,627.0	87.70	5.20	12,584.5	3,711.3	87.1	2.43	-1.77	1.67	40.3	-28.6	
16,722.0	87.70	4.70	12,588.3	3,805.8	95.2	0.53	0.00	-0.53	46.1	-37.6	
16,785.0	87.00	0.60	12,591.2	3,868.7	98.2	6.60	-1.11	-6.51	50.3	-41.1	
16,817.0	89.40	359.40	12,592.2	3,900.7	98.2	8.38	7.50	-3.75	52.0	-41.3	
16,849.0	89.90	355.50	12,592.4	3,932.6	96.7	12.29	1.56	-12.19	52.9	-40.2	
16,881.0	89.60	353.30	12,592.5	3,964.5	93.6	6.94	-0.94	-6.87	53.7	-37.2	
16,913.0	92.60	353.20	12,591.9	3,996.2	89.9	9.38	9.37	-0.31	53.7	-33.8	
16,941.0	94.80	352.80	12,590.1	4,024.0	86.4	7.99	7.86	-1.43	52.5	-30.7	
17,008.0	94.90	353.20	12,584.4	4,090.2	78.3	0.61	0.15	0.60	48.2	-23.1	
17,051.0	95.30	354.10	12,580.6	4,132.8	73.6	2.28	0.93	2.09	45.3	-18.8	
17,103.0	92.70	356.10	12,577.0	4,184.5	69.1	6.30	-5.00	3.85	42.8	-14.7	
17,198.0	93.10	357.10	12,572.2	4,279.2	63.5	1.13	0.42	1.05	40.0	-9.8	
17,294.0	90.00	353.50	12,569.6	4,374.8	55.7	4.95	-3.23	-3.75	39.4	-2.8	
17,389.0	90.50	354.40	12,569.2	4,469.3	45.6	1.08	0.53	0.95	41.1	6.4	
17,485.0	93.80	358.20	12,566.6	4,565.0	39.5	5.24	3.44	3.96	39.5	11.9	
17,580.0	95.50	358.60	12,557.9	4,659.6	36.8	1.84	1.79	0.42	33.8	13.8	
17,634.5	95.73	0.03	12,552.5	4,713.8	36.2	2.65	0.42	2.63	29.6	14.0	
TGT#4(Jave 30 FC #708H)											
17,675.0	95.90	1.10	12,548.4	4,754.1	36.6	2.65	0.42	2.63	26.1	13.3	
17,771.0	94.80	2.00	12,539.5	4,849.7	39.1	1.48	-1.15	0.94	18.4	9.9	
17,816.0	93.10	1.90	12,536.4	4,894.6	40.7	3.78	-3.78	-0.22	15.9	8.0	
17,866.0	91.30	1.90	12,534.5	4,944.5	42.3	3.60	-3.60	0.00	14.7	5.9	
17,961.0	89.80	2.70	12,533.5	5,039.4	46.1	1.79	-1.58	0.84	15.0	1.3	
18,079.0	88.30	0.80	12,535.5	5,157.3	49.7	2.05	-1.27	-1.61	18.6	-3.3	



Midland PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Javelina 30 Fed Com
Well: #708H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference: KB = 22 @ 3345.0usft
MD Reference: KB = 22 @ 3345.0usft
Survey Calculation Method: Grid
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)
	18,175.0	89.40	1.30	12,537.4	5,253.3	51.5	1.26	1.15	0.52	21.8	-5.8
	18,270.0	90.70	1.50	12,537.3	5,348.3	53.8	1.38	1.37	0.21	23.0	-8.9
	18,366.0	91.20	1.50	12,535.8	5,444.2	56.3	0.52	0.52	0.00	22.7	-12.2
	18,461.0	87.90	1.00	12,536.5	5,539.2	58.4	3.51	-3.47	-0.53	24.7	-15.1
	18,556.0	87.50	0.40	12,540.0	5,634.1	59.6	0.63	0.00	-0.63	29.5	-17.1
	18,652.0	88.60	0.10	12,542.9	5,730.0	60.0	0.79	0.73	-0.31	33.7	-18.3
	18,747.0	90.40	1.50	12,543.7	5,825.0	61.3	2.40	1.89	1.47	35.8	-20.4
	18,842.0	90.60	1.20	12,542.9	5,920.0	63.5	0.38	0.21	-0.32	36.3	-23.4
	18,938.0	91.30	359.20	12,541.3	6,016.0	63.9	2.21	0.73	-2.08	35.9	-24.5
	19,033.0	93.10	359.90	12,537.7	6,110.9	63.1	2.03	1.89	0.74	33.6	-24.6
	19,117.1	91.86	357.16	12,534.0	6,194.9	61.0	3.58	-1.47	-3.26	31.0	-23.1
TGT#5(Jave 30 FC #708H)											
	19,128.0	91.70	356.80	12,533.7	6,205.8	60.4	3.58	-1.48	-3.26	30.9	-22.6
	19,224.0	93.20	356.60	12,529.6	6,301.5	54.9	1.58	1.56	-0.21	28.4	-17.9
	19,319.0	91.50	0.20	12,525.7	6,396.4	52.2	4.19	-1.79	3.79	26.1	-16.0
	19,414.0	91.70	0.60	12,523.0	6,491.3	52.9	0.47	0.21	0.42	25.0	-17.5
	19,509.0	92.50	1.00	12,519.6	6,586.3	54.2	0.94	0.64	0.42	23.1	-19.6
	19,605.0	89.00	0.50	12,518.3	6,682.2	55.5	3.68	-3.65	-0.52	23.4	-21.6
	19,700.0	89.50	0.80	12,519.5	6,777.2	56.6	0.61	0.53	0.32	26.3	-23.5
	19,796.0	90.00	1.70	12,520.0	6,873.2	58.7	1.07	0.52	0.94	28.3	-26.4
	19,891.0	90.40	358.60	12,519.6	6,968.2	58.9	3.29	0.42	-3.26	29.5	-27.4
	19,986.0	92.00	359.00	12,517.6	7,063.1	56.9	1.74	1.68	0.42	29.1	-26.2
	20,081.0	89.10	358.50	12,516.7	7,158.1	54.8	3.10	-3.05	-0.53	29.8	-24.9
	20,177.0	89.80	359.70	12,517.7	7,254.1	53.3	1.45	1.37	1.25	32.3	-24.2
	20,272.0	91.10	359.60	12,516.9	7,349.1	52.8	1.37	1.37	-0.11	33.2	-24.4
	20,367.0	87.90	355.70	12,517.7	7,444.0	48.9	5.31	-3.37	-4.11	35.6	-21.3
	20,463.0	88.60	356.90	12,520.7	7,539.7	42.7	1.45	0.73	1.25	40.1	-15.9



Midland PVA

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Javelina 30 Fed Com
 Well: #708H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #708H
 TVD Reference: KB = 22 @ 3345.0usft
 MD Reference: KB = 22 @ 3345.0usft
 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)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
20,558.0	89.10	357.70	12,522.6	7,634.6	38.2	0.99	0.53	0.84	43.6	-12.2
20,653.0	89.10	357.90	12,524.1	7,729.5	34.5	0.21	0.00	0.21	46.7	-9.4
20,749.0	89.60	358.30	12,525.2	7,825.4	31.4	0.67	0.52	0.42	49.3	-7.0
Last MWD Survey (MD=20749.0')										
20,797.0	89.60	358.30	12,525.5	7,873.4	29.9	0.00	0.00	0.00	50.5	-6.0
Projection to Bit (MD=20797.0') - PBHL (Jave 30 FC #708H)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,100.0	12,074.5	-429.4	197.6	KOP, MD:12100.0', TVD:12074.5', N/S:-429.4', E/W:197.6', INC:2.27
12,971.6	12,625.1	61.2	85.0	LL Crossing, MD:12971.6', TVD:12625.1', N/S:61.2', E/W:85.0', INC:93.29
13,071.6	12,618.9	161.0	83.0	FTP Crossing, MD:13071.6', TVD:12618.9', N/S:161.0', E/W:83.0', INC:93.07
20,749.0	12,525.2	7,825.4	31.4	Last MWD Survey (MD=20749.0')
20,797.0	12,525.5	7,873.4	29.9	Projection to Bit (MD=20797.0')

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 Com

#708H

Plan #1



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

Magnetic Field
Strength: 47616.1nT
Dip Angle: 59.93°
Date: 12/18/2019
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: #708H

3323.0
KB = 22 @ 3345.0m
Northing 401595.00 Easting 798812.00 Latitude 32° 6' 4.805" N Longitude 103° 30' 6.608" 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	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1463.8	3.28	150.78	1463.7	-4.1	2.3	2.00	150.78	-4.1	
4	7646.5	3.28	150.78	7636.3	-12.4	174.7	0.00	0.00	-111.9	
5	7810.3	0.00	0.00	7800.0	-10.3	177.0	2.00	180.00	-10.3	
6	12145.9	0.00	0.00	12135.6	-10.3	177.0	0.00	0.00	-10.3	
7	12904.4	91.02	351.60	12613.0	164.3	105.0	12.00	351.60	164.6	
8	13168.2	91.02	359.52	12608.3	427.0	85.6	3.00	89.89	427.3	
9	13463.0	91.02	359.52	12603.0	721.8	83.1	0.00	0.00	722.0	TGT#1(Jave 30 FC #708H)
10	13471.4	90.86	359.53	12602.9	730.1	83.0	2.00	176.55	730.4	
11	14797.2	90.86	359.53	12583.0	2055.8	72.1	0.00	0.00	2056.0	TGT#2(Jave 30 FC #708H)
12	14823.9	91.39	359.53	12582.5	2082.5	71.9	2.00	0.00	2082.7	
13	16037.6	91.39	359.53	12553.0	3295.8	61.8	0.00	0.00	3296.0	TGT#3(Jave 30 FC #708H)
14	16046.5	91.21	359.53	12552.8	3304.7	61.8	2.00	180.00	3304.9	
15	17453.1	91.21	359.53	12523.0	4710.9	50.1	0.00	0.00	4711.0	TGT#4(Jave 30 FC #708H)
16	17475.3	90.77	359.53	12522.6	4733.1	50.0	2.00	-180.00	4733.2	
17	18935.3	90.77	359.53	12503.0	6192.9	37.9	0.00	0.00	6193.0	TGT#5(Jave 30 FC #708H)
18	18944.6	90.96	369.63	12602.0	6202.1	37.8	2.00	0.00	6202.2	
19	20616.7	90.95	359.53	12475.0	7874.0	24.0	0.00	0.00	7874.0	PBHL(Jave 30 FC #708H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
Brushy Top(Jave 30 FC #708H)	8236.0	-316.5	177.0	401278.50	798989.00	Polygon
PBHL(Jave 30 FC #708H)	12475.0	7874.0	24.0	429469.00	798836.00	Rectangle (Sides: L0.0 W60.0)
TGT#1(Jave 30 FC #708H)	12603.0	6192.9	37.9	407787.90	798949.00	Point
TGT#2(Jave 30 FC #708H)	12583.0	4710.9	50.1	406306.90	798924.14	Point
TGT#3(Jave 30 FC #708H)	12553.0	3295.8	61.8	404890.80	798873.84	Point
TGT#4(Jave 30 FC #708H)	12523.0	2055.8	72.1	403650.80	798864.08	Point
TGT#5(Jave 30 FC #708H)	12503.0	6192.9	37.9	402316.80	798855.11	Point
FTP(Jave 30 FC #708H)	12513.0	161.0	87.0	401756.00	798899.00	Point

