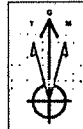




Lea County, NM (NAD 83 NME)
Della 29 Fed Com #603H
Plan #0.2

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



Azimuths to Grid North
True North: -0.40°
Magnetic North: 6.57°
Magnetic Field
Strength: 48112.3 nT
Dip Angle: 60.38°
Date: 7/16/2017
Model: IGRF2016

To convert a Magnetic Direction to a Grid Direction, Add 6.57°
To convert a Magnetic Direction to a True Direction, Add 6.97° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

WELL DETAILS: #603H

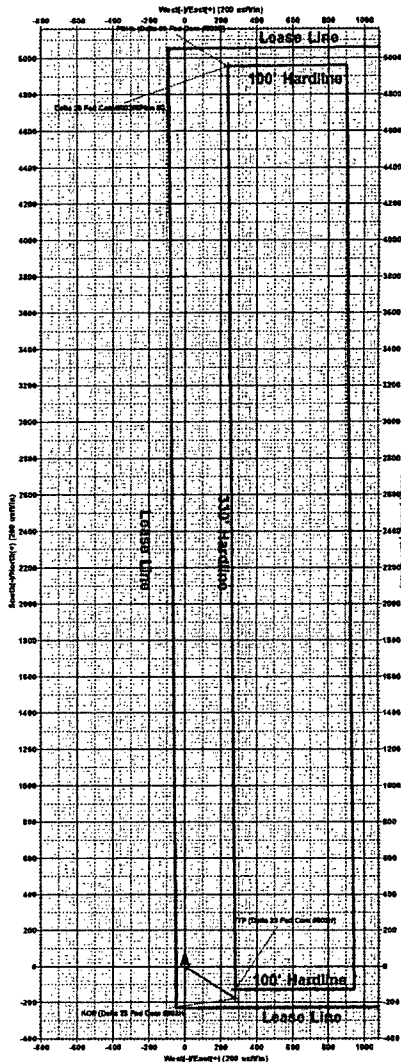
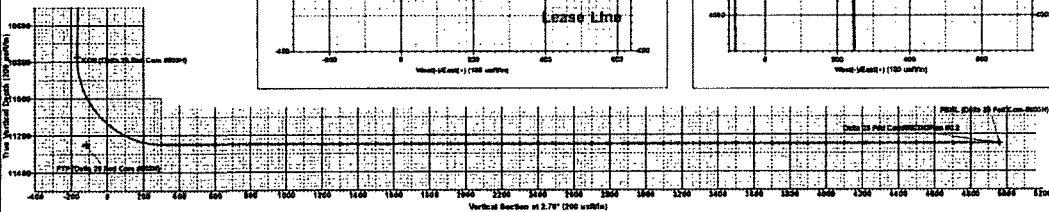
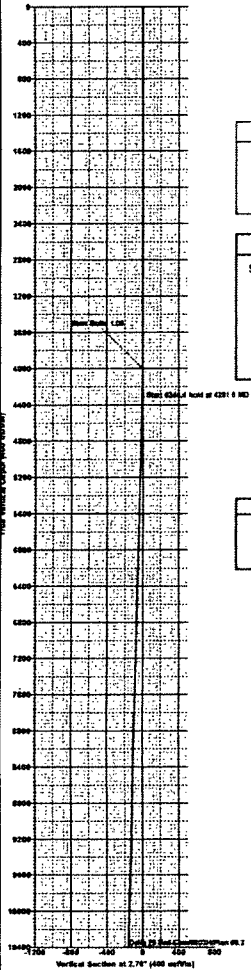
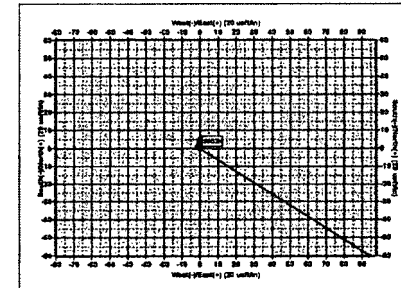
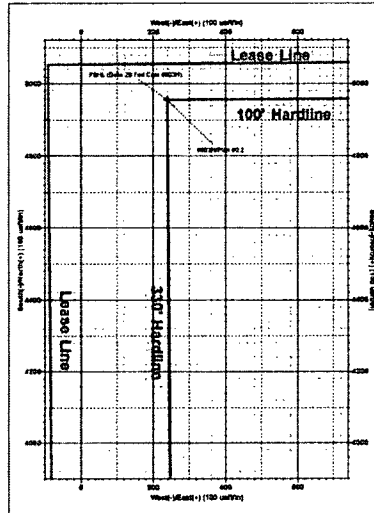
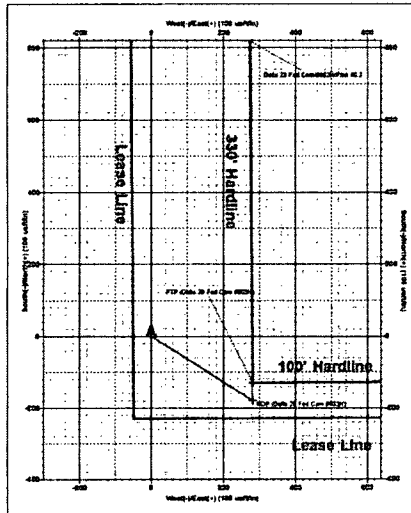
3718.0
KB = 25 @ 3741.0 Dual
+N/-S +E/-W Northing Easting
0.0 0.0 500060.00 772795.00 32° 32' 15.008 N 103° 34' 56.143 W Slot

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	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4201.0	2.91	122.50	4200.9	-4.0	6.2	1.00	122.50	-3.7	
4	10635.4	2.91	122.50	10627.1	-177.0	277.9	0.00	0.00	-163.4	
5	10780.9	0.00	0.00	10772.5	-179.0	281.0	2.00	180.00	-165.3	KOP (Della 29 Fed Com #603H)
6	11530.9	90.00	359.53	11250.0	298.4	277.1	12.00	359.53	311.4	
7	16187.8	90.00	359.53	11250.0	4955.0	239.0	0.00	0.00	4060.8	PBHL (Della 29 Fed Com #603H)

WELLBORE TARGET DETAIL (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
KOP (Della 29 Fed Com #603H)	10772.5	-179.0	281.0	603911.00	773076.00	Point
FTF (Della 29 Fed Com #603H)	11250.0	-129.0	281.0	603881.00	773076.00	Point
PBHL (Della 29 Fed Com #603H)	11250.0	4955.0	239.0	565045.00	773034.00	Point





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Della 29 Fed Com

#603H

OH

Plan: Plan #0.2

Standard Planning Report

10 September, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #803H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3741.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3741.0usft
Site:	Della 29 Fed Com	North Reference:	Grid
Well:	#603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	Della 29 Fed Com		
Site Position:	Map	Northing:	560,090.00 usft
From:		Easting:	772,794.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 32' 15.008 N
		Longitude:	103° 34' 56.155 W
		Grid Convergence:	0.40 °

Well	#603H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	1.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:
			3,716.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	7/18/2017	6.97
			Dip Angle
			(°)
			60.35
			Field Strength
			(nT)
			48,112.25779789

Design	Plan #0.2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			2.76

Plan Survey Tool Program	Date 9/10/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	16,187.6 Plan #0.2 (OH)	MWD
			OWSG MWD - Standard

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,291.0	2.91	122.50	4,290.9	-4.0	6.2	1.00	1.00	0.00	122.50	
10,635.4	2.91	122.50	10,627.1	-177.0	277.9	0.00	0.00	0.00	0.00	
10,780.9	0.00	0.00	10,772.5	-179.0	281.0	2.00	-2.00	0.00	180.00	KOP (Della 29 Fed Cr
11,530.9	90.00	359.53	11,250.0	298.4	277.1	12.00	12.00	-0.06	359.53	
16,187.6	90.00	359.53	11,250.0	4,955.0	239.0	0.00	0.00	0.00	0.00	PBHL (Della 29 Fed C



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #603H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3741.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3741.0usft
Site:	Della 29 Fed Com	North Reference:	Grid
Well:	#603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	1.00	122.50	4,100.0	-0.5	0.7	-0.4	1.00	1.00	0.00
4,200.0	2.00	122.50	4,200.0	-1.9	2.9	-1.7	1.00	1.00	0.00
4,291.0	2.91	122.50	4,290.9	-4.0	6.2	-3.7	1.00	1.00	0.00
4,300.0	2.91	122.50	4,299.9	-4.2	6.6	-3.9	0.00	0.00	0.00
4,400.0	2.91	122.50	4,399.7	-6.9	10.9	-6.4	0.00	0.00	0.00
4,500.0	2.91	122.50	4,499.6	-9.7	15.2	-8.9	0.00	0.00	0.00
4,600.0	2.91	122.50	4,599.5	-12.4	19.5	-11.4	0.00	0.00	0.00
4,700.0	2.91	122.50	4,699.3	-15.1	23.7	-14.0	0.00	0.00	0.00
4,800.0	2.91	122.50	4,799.2	-17.9	28.0	-16.5	0.00	0.00	0.00
4,900.0	2.91	122.50	4,899.1	-20.6	32.3	-19.0	0.00	0.00	0.00
5,000.0	2.91	122.50	4,999.0	-23.3	36.6	-21.5	0.00	0.00	0.00
5,100.0	2.91	122.50	5,098.8	-26.0	40.9	-24.0	0.00	0.00	0.00
5,200.0	2.91	122.50	5,198.7	-28.8	45.2	-26.6	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Della 29 Fed Com
 Well: #603H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #603H
 TVD Reference: KB = 25 @ 3741.0usft
 MD Reference: KB = 25 @ 3741.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	2.91	122.50	5,298.6	-31.5	49.4	-29.1	0.00	0.00	0.00
5,400.0	2.91	122.50	5,398.4	-34.2	53.7	-31.6	0.00	0.00	0.00
5,500.0	2.91	122.50	5,498.3	-36.9	58.0	-34.1	0.00	0.00	0.00
5,600.0	2.91	122.50	5,598.2	-39.7	62.3	-36.6	0.00	0.00	0.00
5,700.0	2.91	122.50	5,698.1	-42.4	66.6	-39.1	0.00	0.00	0.00
5,800.0	2.91	122.50	5,797.9	-45.1	70.8	-41.7	0.00	0.00	0.00
5,900.0	2.91	122.50	5,897.8	-47.9	75.1	-44.2	0.00	0.00	0.00
6,000.0	2.91	122.50	5,997.7	-50.6	79.4	-46.7	0.00	0.00	0.00
6,100.0	2.91	122.50	6,097.5	-53.3	83.7	-49.2	0.00	0.00	0.00
6,200.0	2.91	122.50	6,197.4	-56.0	88.0	-51.7	0.00	0.00	0.00
6,300.0	2.91	122.50	6,297.3	-58.8	92.3	-54.3	0.00	0.00	0.00
6,400.0	2.91	122.50	6,397.2	-61.5	96.5	-56.8	0.00	0.00	0.00
6,500.0	2.91	122.50	6,497.0	-64.2	100.8	-59.3	0.00	0.00	0.00
6,600.0	2.91	122.50	6,596.9	-66.9	105.1	-61.8	0.00	0.00	0.00
6,700.0	2.91	122.50	6,696.8	-69.7	109.4	-64.3	0.00	0.00	0.00
6,800.0	2.91	122.50	6,796.6	-72.4	113.7	-66.8	0.00	0.00	0.00
6,900.0	2.91	122.50	6,896.5	-75.1	117.9	-69.4	0.00	0.00	0.00
7,000.0	2.91	122.50	6,996.4	-77.9	122.2	-71.9	0.00	0.00	0.00
7,100.0	2.91	122.50	7,096.3	-80.6	126.5	-74.4	0.00	0.00	0.00
7,200.0	2.91	122.50	7,196.1	-83.3	130.8	-76.9	0.00	0.00	0.00
7,300.0	2.91	122.50	7,296.0	-86.0	135.1	-79.4	0.00	0.00	0.00
7,400.0	2.91	122.50	7,395.9	-88.8	139.4	-82.0	0.00	0.00	0.00
7,500.0	2.91	122.50	7,495.7	-91.5	143.6	-84.5	0.00	0.00	0.00
7,600.0	2.91	122.50	7,595.6	-94.2	147.9	-87.0	0.00	0.00	0.00
7,700.0	2.91	122.50	7,695.5	-97.0	152.2	-89.5	0.00	0.00	0.00
7,800.0	2.91	122.50	7,795.3	-99.7	156.5	-92.0	0.00	0.00	0.00
7,900.0	2.91	122.50	7,895.2	-102.4	160.8	-94.5	0.00	0.00	0.00
8,000.0	2.91	122.50	7,995.1	-105.1	165.0	-97.1	0.00	0.00	0.00
8,100.0	2.91	122.50	8,095.0	-107.9	169.3	-99.6	0.00	0.00	0.00
8,200.0	2.91	122.50	8,194.8	-110.6	173.6	-102.1	0.00	0.00	0.00
8,300.0	2.91	122.50	8,294.7	-113.3	177.9	-104.6	0.00	0.00	0.00
8,400.0	2.91	122.50	8,394.6	-116.0	182.2	-107.1	0.00	0.00	0.00
8,500.0	2.91	122.50	8,494.4	-118.8	186.5	-109.7	0.00	0.00	0.00
8,600.0	2.91	122.50	8,594.3	-121.5	190.7	-112.2	0.00	0.00	0.00
8,700.0	2.91	122.50	8,694.2	-124.2	195.0	-114.7	0.00	0.00	0.00
8,800.0	2.91	122.50	8,794.1	-127.0	199.3	-117.2	0.00	0.00	0.00
8,900.0	2.91	122.50	8,893.9	-129.7	203.6	-119.7	0.00	0.00	0.00
9,000.0	2.91	122.50	8,993.8	-132.4	207.9	-122.2	0.00	0.00	0.00
9,100.0	2.91	122.50	9,093.7	-135.1	212.1	-124.8	0.00	0.00	0.00
9,200.0	2.91	122.50	9,193.5	-137.9	216.4	-127.3	0.00	0.00	0.00
9,300.0	2.91	122.50	9,293.4	-140.6	220.7	-129.8	0.00	0.00	0.00
9,400.0	2.91	122.50	9,393.3	-143.3	225.0	-132.3	0.00	0.00	0.00
9,500.0	2.91	122.50	9,493.2	-146.0	229.3	-134.8	0.00	0.00	0.00
9,600.0	2.91	122.50	9,593.0	-148.8	233.6	-137.4	0.00	0.00	0.00
9,700.0	2.91	122.50	9,692.9	-151.5	237.8	-139.9	0.00	0.00	0.00
9,800.0	2.91	122.50	9,792.8	-154.2	242.1	-142.4	0.00	0.00	0.00
9,900.0	2.91	122.50	9,892.6	-157.0	246.4	-144.9	0.00	0.00	0.00
10,000.0	2.91	122.50	9,992.5	-159.7	250.7	-147.4	0.00	0.00	0.00
10,100.0	2.91	122.50	10,092.4	-162.4	255.0	-149.9	0.00	0.00	0.00
10,200.0	2.91	122.50	10,192.3	-165.1	259.2	-152.5	0.00	0.00	0.00
10,300.0	2.91	122.50	10,292.1	-167.9	263.5	-155.0	0.00	0.00	0.00
10,400.0	2.91	122.50	10,392.0	-170.6	267.8	-157.5	0.00	0.00	0.00
10,500.0	2.91	122.50	10,491.9	-173.3	272.1	-160.0	0.00	0.00	0.00
10,600.0	2.91	122.50	10,591.7	-176.1	276.4	-162.5	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #603H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3741.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3741.0usft
Site:	Della 29 Fed Com	North Reference:	Grid
Well:	#603H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,635.4	2.91	122.50	10,627.1	-177.0	277.9	-163.4	0.00	0.00	0.00
10,700.0	1.62	122.50	10,691.6	-178.4	280.0	-164.7	2.00	-2.00	0.00
10,780.9	0.00	0.00	10,772.5	-179.0	281.0	-165.3	2.00	-2.00	0.00
KOP (Della 29 Fed Com #603H)									
10,800.0	2.30	359.53	10,791.6	-178.6	281.0	-164.9	12.00	12.00	0.00
10,825.0	5.30	359.53	10,816.6	-177.0	281.0	-163.2	12.00	12.00	0.00
10,850.0	8.30	359.53	10,841.4	-174.0	281.0	-160.3	12.00	12.00	0.00
10,875.0	11.30	359.53	10,866.0	-169.8	280.9	-156.0	12.00	12.00	0.00
10,900.0	14.30	359.53	10,890.4	-164.2	280.9	-150.5	12.00	12.00	0.00
10,925.0	17.30	359.53	10,914.5	-157.4	280.8	-143.7	12.00	12.00	0.00
10,950.0	20.30	359.53	10,938.1	-149.4	280.8	-135.7	12.00	12.00	0.00
10,975.0	23.30	359.53	10,961.3	-140.1	280.7	-126.4	12.00	12.00	0.00
11,000.0	26.30	359.53	10,984.0	-129.6	280.6	-115.9	12.00	12.00	0.00
11,025.0	29.30	359.53	11,006.1	-117.9	280.5	-104.3	12.00	12.00	0.00
11,050.0	32.30	359.53	11,027.6	-105.1	280.4	-91.5	12.00	12.00	0.00
11,075.0	35.30	359.53	11,048.4	-91.2	280.3	-77.6	12.00	12.00	0.00
11,100.0	38.30	359.53	11,068.4	-76.3	280.2	-62.7	12.00	12.00	0.00
11,125.0	41.30	359.53	11,087.6	-60.3	280.0	-46.7	12.00	12.00	0.00
11,150.0	44.30	359.53	11,105.9	-43.3	279.9	-29.7	12.00	12.00	0.00
11,175.0	47.30	359.53	11,123.4	-25.4	279.7	-11.9	12.00	12.00	0.00
11,180.4	47.95	359.53	11,127.0	-21.3	279.7	-7.8	12.00	12.00	0.00
FTP (Della 29 Fed Com #603H)									
11,200.0	50.30	359.53	11,139.8	-6.6	279.6	6.9	12.00	12.00	0.00
11,225.0	53.30	359.53	11,155.3	13.1	279.4	26.5	12.00	12.00	0.00
11,250.0	56.30	359.53	11,169.7	33.5	279.3	46.9	12.00	12.00	0.00
11,275.0	59.30	359.53	11,183.0	54.7	279.1	68.0	12.00	12.00	0.00
11,300.0	62.30	359.53	11,195.2	76.5	278.9	89.8	12.00	12.00	0.00
11,325.0	65.30	359.53	11,206.3	98.9	278.7	112.2	12.00	12.00	0.00
11,350.0	68.30	359.53	11,216.1	121.9	278.5	135.2	12.00	12.00	0.00
11,375.0	71.30	359.53	11,224.7	145.3	278.3	158.6	12.00	12.00	0.00
11,400.0	74.30	359.53	11,232.1	169.2	278.2	182.4	12.00	12.00	0.00
11,425.0	77.30	359.53	11,238.3	193.4	278.0	206.6	12.00	12.00	0.00
11,450.0	80.30	359.53	11,243.1	218.0	277.8	231.1	12.00	12.00	0.00
11,475.0	83.30	359.53	11,246.7	242.7	277.6	255.8	12.00	12.00	0.00
11,500.0	86.30	359.53	11,249.0	267.6	277.3	280.7	12.00	12.00	0.00
11,525.0	89.30	359.53	11,249.9	292.6	277.1	305.6	12.00	12.00	0.00
11,530.9	90.00	359.53	11,250.0	298.4	277.1	311.4	12.00	12.00	0.00
11,600.0	90.00	359.53	11,250.0	367.6	276.5	380.5	0.00	0.00	0.00
11,700.0	90.00	359.53	11,250.0	467.6	275.7	480.3	0.00	0.00	0.00
11,800.0	90.00	359.53	11,250.0	567.6	274.9	580.2	0.00	0.00	0.00
11,900.0	90.00	359.53	11,250.0	667.6	274.1	680.0	0.00	0.00	0.00
12,000.0	90.00	359.53	11,250.0	767.6	273.3	779.8	0.00	0.00	0.00
12,100.0	90.00	359.53	11,250.0	867.6	272.4	879.7	0.00	0.00	0.00
12,200.0	90.00	359.53	11,250.0	967.6	271.6	979.5	0.00	0.00	0.00
12,300.0	90.00	359.53	11,250.0	1,067.6	270.8	1,079.4	0.00	0.00	0.00
12,400.0	90.00	359.53	11,250.0	1,167.6	270.0	1,179.2	0.00	0.00	0.00
12,500.0	90.00	359.53	11,250.0	1,267.5	269.2	1,279.0	0.00	0.00	0.00
12,600.0	90.00	359.53	11,250.0	1,367.5	268.3	1,378.9	0.00	0.00	0.00
12,700.0	90.00	359.53	11,250.0	1,467.5	267.5	1,478.7	0.00	0.00	0.00
12,800.0	90.00	359.53	11,250.0	1,567.5	266.7	1,578.6	0.00	0.00	0.00
12,900.0	90.00	359.53	11,250.0	1,667.5	265.9	1,678.4	0.00	0.00	0.00
13,000.0	90.00	359.53	11,250.0	1,767.5	265.1	1,778.2	0.00	0.00	0.00
13,100.0	90.00	359.53	11,250.0	1,867.5	264.3	1,878.1	0.00	0.00	0.00
13,200.0	90.00	359.53	11,250.0	1,967.5	263.4	1,977.9	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Della 29 Fed Com
Well: #603H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #603H
TVD Reference: KB = 25 @ 3741.0usft
MD Reference: KB = 25 @ 3741.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,300.0	90.00	359.53	11,250.0	2,067.5	262.6	2,077.8	0.00	0.00	0.00
13,400.0	90.00	359.53	11,250.0	2,167.5	261.8	2,177.6	0.00	0.00	0.00
13,500.0	90.00	359.53	11,250.0	2,267.5	261.0	2,277.5	0.00	0.00	0.00
13,600.0	90.00	359.53	11,250.0	2,367.5	260.2	2,377.3	0.00	0.00	0.00
13,700.0	90.00	359.53	11,250.0	2,467.5	259.3	2,477.1	0.00	0.00	0.00
13,800.0	90.00	359.53	11,250.0	2,567.5	258.5	2,577.0	0.00	0.00	0.00
13,900.0	90.00	359.53	11,250.0	2,667.5	257.7	2,676.8	0.00	0.00	0.00
14,000.0	90.00	359.53	11,250.0	2,767.5	256.9	2,776.7	0.00	0.00	0.00
14,100.0	90.00	359.53	11,250.0	2,867.5	256.1	2,876.5	0.00	0.00	0.00
14,200.0	90.00	359.53	11,250.0	2,967.5	255.3	2,976.3	0.00	0.00	0.00
14,300.0	90.00	359.53	11,250.0	3,067.5	254.4	3,076.2	0.00	0.00	0.00
14,400.0	90.00	359.53	11,250.0	3,167.5	253.6	3,176.0	0.00	0.00	0.00
14,500.0	90.00	359.53	11,250.0	3,267.5	252.8	3,275.9	0.00	0.00	0.00
14,600.0	90.00	359.53	11,250.0	3,367.5	252.0	3,375.7	0.00	0.00	0.00
14,700.0	90.00	359.53	11,250.0	3,467.5	251.2	3,475.5	0.00	0.00	0.00
14,800.0	90.00	359.53	11,250.0	3,567.5	250.4	3,575.4	0.00	0.00	0.00
14,900.0	90.00	359.53	11,250.0	3,667.5	249.5	3,675.2	0.00	0.00	0.00
15,000.0	90.00	359.53	11,250.0	3,767.5	248.7	3,775.1	0.00	0.00	0.00
15,100.0	90.00	359.53	11,250.0	3,867.5	247.9	3,874.9	0.00	0.00	0.00
15,200.0	90.00	359.53	11,250.0	3,967.5	247.1	3,974.8	0.00	0.00	0.00
15,300.0	90.00	359.53	11,250.0	4,067.5	246.3	4,074.6	0.00	0.00	0.00
15,400.0	90.00	359.53	11,250.0	4,167.5	245.4	4,174.4	0.00	0.00	0.00
15,500.0	90.00	359.53	11,250.0	4,267.4	244.6	4,274.3	0.00	0.00	0.00
15,600.0	90.00	359.53	11,250.0	4,367.4	243.8	4,374.1	0.00	0.00	0.00
15,700.0	90.00	359.53	11,250.0	4,467.4	243.0	4,474.0	0.00	0.00	0.00
15,800.0	90.00	359.53	11,250.0	4,567.4	242.2	4,573.8	0.00	0.00	0.00
15,900.0	90.00	359.53	11,250.0	4,667.4	241.4	4,673.6	0.00	0.00	0.00
16,000.0	90.00	359.53	11,250.0	4,767.4	240.5	4,773.5	0.00	0.00	0.00
16,100.0	90.00	359.53	11,250.0	4,867.4	239.7	4,873.3	0.00	0.00	0.00
16,187.6	90.00	359.53	11,250.0	4,955.0	239.0	4,960.8	0.00	0.00	0.00
PBHL (Della 29 Fed Com #603H)									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
KOP (Della 29 Fed Com - plan hits target center - Point	0.00	0.00	10,772.5	-179.0	281.0	559,911.00	773,076.00	32° 32' 13.218 N	103° 34' 52.876 W
FTP (Della 29 Fed Com - plan misses target center by 163.4usft at 11180.4usft MD (11127.0 TVD, -21.3 N, 279.7 E) - Point	0.00	0.00	11,250.0	-129.0	281.0	559,961.00	773,076.00	32° 32' 13.712 N	103° 34' 52.872 W
PBHL (Della 29 Fed Cor - plan hits target center - Point	0.00	0.00	11,250.0	4,955.0	239.0	565,045.00	773,034.00	32° 33' 4.020 N	103° 34' 52.943 W