



Lea County, NM (NAD 83 NME)

Della 29 Fed Com

#604H

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: 8.67°
Magnetic Field
Strength: 48112.3 nT
Dip Angle: 60.35°
Date: 7/18/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.67°
To convert a Magnetic Direction to a True Direction, Add 8.67° East
To convert a True Direction to a Grid Direction, Subtract 8.67°

WELL DETAILS: #604H

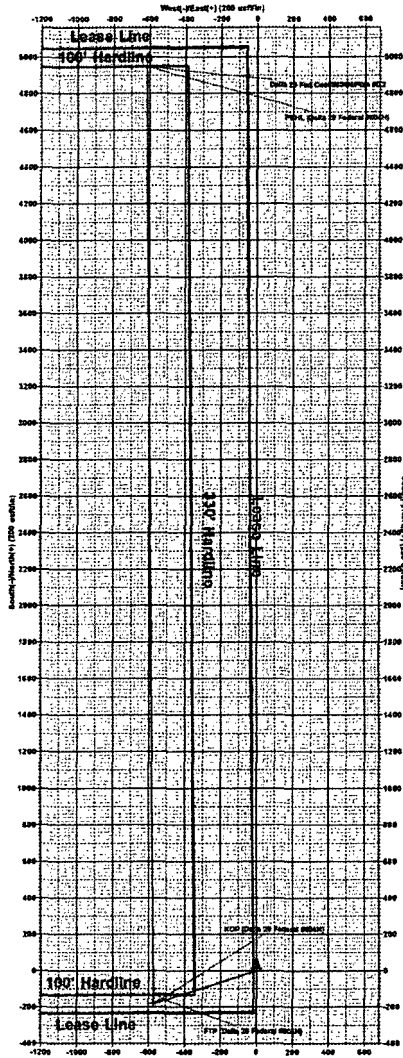
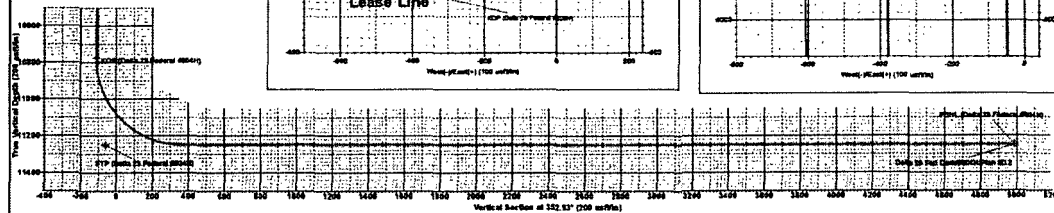
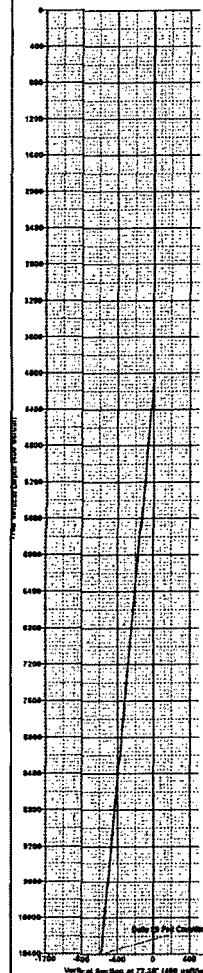
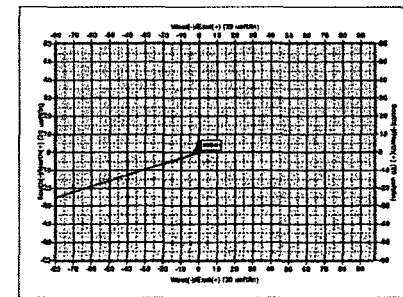
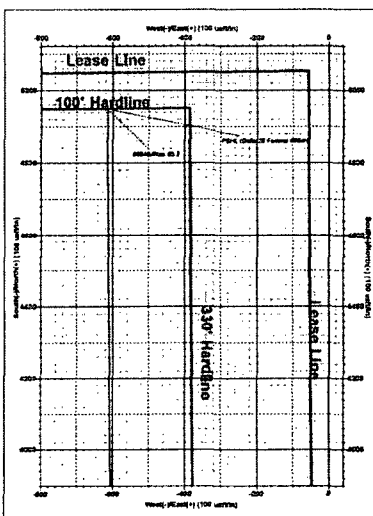
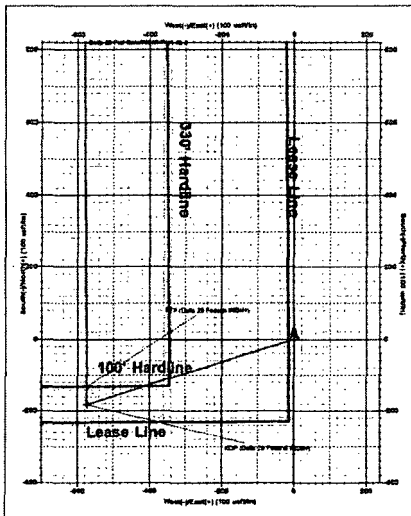
	+N-S	+E-W	Northing	KB = 25 @ 3740 DASH	Easting	Latitude	Longitude	SLR
	0.0	0.0	960000.00		772180.00	32° 32' 15.011 N	103° 34' 58.562 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	YFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.00	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	4263.9	5.28	252.38	4263.5	-3.7	-11.6	2.00	252.38	-2.2	
4	10536.0	5.28	252.38	10509.0	-178.3	-551.4	0.00	0.00	-107.8	
5	10799.8	0.00	0.00	10772.5	-182.0	-573.0	2.00	180.00	-110.1	KOP (Della 29 Federal #604H)
6	11549.8	90.00	359.54	11250.0	295.4	-578.8	12.00	359.54	364.2	
7	16203.5	90.00	359.54	11250.0	4949.0	-614.0	0.00	0.00	4986.9	PBHL (Della 29 Federal #604H)

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
KOP (Della 29 Federal #604H)	10772.5	-182.0	-573.0	663908.00	772187.00	Point
FTP (Della 29 Federal #604H)	11250.0	-132.0	-873.0	663958.00	772187.00	Point
PBHL (Della 29 Federal #604H)	11250.0	4949.0	-614.0	665039.00	772148.00	Point



Vertical Section at 352.53° (200' width)



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Della 29 Fed Com

#604H

OH

Plan: Plan #0.2

Standard Planning Report

10 September, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #604H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3740.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3740.0usft
Site:	Della 29 Fed Com	North Reference:	Grid
Well:	#604H	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:		Northing:	560,090.00 usft
From:	Map	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	#604H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	-34.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	
		Latitude:	32° 32' 15.011 N
		Longitude:	103° 34' 56.552 W
		Ground Level:	3,715.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	7/18/2017	6.97
			Dip Angle
			(°)
			60.35
			Field Strength
			(nT)
			48,112.25355876

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
			(°)
			352.93

Plan Survey Tool Program	Date 9/10/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	16,203.5 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	
4,263.9	5.28	252.38	4,263.5	-3.7	-11.6	2.00	2.00	0.00	252.38	
10,536.0	5.28	252.38	10,509.0	-178.3	-561.4	0.00	0.00	0.00	0.00	
10,799.8	0.00	0.01	10,772.5	-182.0	-573.0	2.00	-2.00	0.00	180.00	KOP (Della 29 Federa
11,549.8	90.00	359.54	11,250.0	295.4	-576.8	12.00	12.00	-0.06	359.54	
16,203.5	90.00	359.54	11,250.0	4,949.0	-614.0	0.00	0.00	0.00	0.00	PBHL (Della 29 Feder



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Della 29 Fed Com
Well: #804H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #804H
TVD Reference: KB = 25 @ 3740.0usft
MD Reference: KB = 25 @ 3740.0usft
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)
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	2.00	252.38	4,100.0	-0.5	-1.7	-0.3	2.00	2.00	0.00
4,200.0	4.00	252.38	4,199.8	-2.1	-6.7	-1.3	2.00	2.00	0.00
4,263.9	5.28	252.38	4,263.5	-3.7	-11.6	-2.2	2.00	2.00	0.00
4,300.0	5.28	252.38	4,299.5	-4.7	-14.7	-2.8	0.00	0.00	0.00
4,400.0	5.28	252.38	4,399.0	-7.5	-23.5	-4.5	0.00	0.00	0.00
4,500.0	5.28	252.38	4,498.6	-10.3	-32.3	-6.2	0.00	0.00	0.00
4,600.0	5.28	252.38	4,598.2	-13.0	-41.0	-7.9	0.00	0.00	0.00
4,700.0	5.28	252.38	4,697.8	-15.8	-49.8	-9.6	0.00	0.00	0.00
4,800.0	5.28	252.38	4,797.4	-18.6	-58.6	-11.3	0.00	0.00	0.00
4,900.0	5.28	252.38	4,896.9	-21.4	-67.3	-12.9	0.00	0.00	0.00
5,000.0	5.28	252.38	4,996.5	-24.2	-76.1	-14.6	0.00	0.00	0.00
5,100.0	5.28	252.38	5,096.1	-27.0	-84.9	-16.3	0.00	0.00	0.00
5,200.0	5.28	252.38	5,195.7	-29.7	-93.6	-18.0	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: #604H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #604H
 TVD Reference: KB = 25 @ 3740.0usft
 MD Reference: KB = 25 @ 3740.0usft
 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	5.28	252.38	5,295.2	-32.5	-102.4	-19.7	0.00	0.00	0.00
5,400.0	5.28	252.38	5,394.8	-35.3	-111.2	-21.4	0.00	0.00	0.00
5,500.0	5.28	252.38	5,494.4	-38.1	-119.9	-23.0	0.00	0.00	0.00
5,600.0	5.28	252.38	5,594.0	-40.9	-128.7	-24.7	0.00	0.00	0.00
5,700.0	5.28	252.38	5,693.5	-43.7	-137.5	-26.4	0.00	0.00	0.00
5,800.0	5.28	252.38	5,793.1	-46.4	-146.2	-28.1	0.00	0.00	0.00
5,900.0	5.28	252.38	5,892.7	-49.2	-155.0	-29.8	0.00	0.00	0.00
6,000.0	5.28	252.38	5,992.3	-52.0	-163.8	-31.5	0.00	0.00	0.00
6,100.0	5.28	252.38	6,091.8	-54.8	-172.5	-33.1	0.00	0.00	0.00
6,200.0	5.28	252.38	6,191.4	-57.6	-181.3	-34.8	0.00	0.00	0.00
6,300.0	5.28	252.38	6,291.0	-60.4	-190.1	-36.5	0.00	0.00	0.00
6,400.0	5.28	252.38	6,390.6	-63.2	-198.8	-38.2	0.00	0.00	0.00
6,500.0	5.28	252.38	6,490.1	-65.9	-207.6	-39.9	0.00	0.00	0.00
6,600.0	5.28	252.38	6,589.7	-68.7	-216.4	-41.6	0.00	0.00	0.00
6,700.0	5.28	252.38	6,689.3	-71.5	-225.1	-43.2	0.00	0.00	0.00
6,800.0	5.28	252.38	6,788.9	-74.3	-233.9	-44.9	0.00	0.00	0.00
6,900.0	5.28	252.38	6,888.5	-77.1	-242.7	-46.6	0.00	0.00	0.00
7,000.0	5.28	252.38	6,988.0	-79.9	-251.4	-48.3	0.00	0.00	0.00
7,100.0	5.28	252.38	7,087.6	-82.6	-260.2	-50.0	0.00	0.00	0.00
7,200.0	5.28	252.38	7,187.2	-85.4	-269.0	-51.7	0.00	0.00	0.00
7,300.0	5.28	252.38	7,286.8	-88.2	-277.7	-53.4	0.00	0.00	0.00
7,400.0	5.28	252.38	7,386.3	-91.0	-286.5	-55.0	0.00	0.00	0.00
7,500.0	5.28	252.38	7,485.9	-93.8	-295.3	-56.7	0.00	0.00	0.00
7,600.0	5.28	252.38	7,585.5	-96.6	-304.0	-58.4	0.00	0.00	0.00
7,700.0	5.28	252.38	7,685.1	-99.4	-312.8	-60.1	0.00	0.00	0.00
7,800.0	5.28	252.38	7,784.6	-102.1	-321.6	-61.8	0.00	0.00	0.00
7,900.0	5.28	252.38	7,884.2	-104.9	-330.3	-63.5	0.00	0.00	0.00
8,000.0	5.28	252.38	7,983.8	-107.7	-339.1	-65.1	0.00	0.00	0.00
8,100.0	5.28	252.38	8,083.4	-110.5	-347.9	-66.8	0.00	0.00	0.00
8,200.0	5.28	252.38	8,182.9	-113.3	-356.6	-68.5	0.00	0.00	0.00
8,300.0	5.28	252.38	8,282.5	-116.1	-365.4	-70.2	0.00	0.00	0.00
8,400.0	5.28	252.38	8,382.1	-118.8	-374.2	-71.9	0.00	0.00	0.00
8,500.0	5.28	252.38	8,481.7	-121.6	-382.9	-73.6	0.00	0.00	0.00
8,600.0	5.28	252.38	8,581.2	-124.4	-391.7	-75.2	0.00	0.00	0.00
8,700.0	5.28	252.38	8,680.8	-127.2	-400.5	-76.9	0.00	0.00	0.00
8,800.0	5.28	252.38	8,780.4	-130.0	-409.2	-78.6	0.00	0.00	0.00
8,900.0	5.28	252.38	8,880.0	-132.8	-418.0	-80.3	0.00	0.00	0.00
9,000.0	5.28	252.38	8,979.5	-135.6	-426.8	-82.0	0.00	0.00	0.00
9,100.0	5.28	252.38	9,079.1	-138.3	-435.5	-83.7	0.00	0.00	0.00
9,200.0	5.28	252.38	9,178.7	-141.1	-444.3	-85.3	0.00	0.00	0.00
9,300.0	5.28	252.38	9,278.3	-143.9	-453.1	-87.0	0.00	0.00	0.00
9,400.0	5.28	252.38	9,377.9	-146.7	-461.8	-88.7	0.00	0.00	0.00
9,500.0	5.28	252.38	9,477.4	-149.5	-470.6	-90.4	0.00	0.00	0.00
9,600.0	5.28	252.38	9,577.0	-152.3	-479.4	-92.1	0.00	0.00	0.00
9,700.0	5.28	252.38	9,676.6	-155.0	-488.1	-93.8	0.00	0.00	0.00
9,800.0	5.28	252.38	9,776.2	-157.8	-496.9	-95.4	0.00	0.00	0.00
9,900.0	5.28	252.38	9,875.7	-160.6	-505.7	-97.1	0.00	0.00	0.00
10,000.0	5.28	252.38	9,975.3	-163.4	-514.4	-98.8	0.00	0.00	0.00
10,100.0	5.28	252.38	10,074.9	-166.2	-523.2	-100.5	0.00	0.00	0.00
10,200.0	5.28	252.38	10,174.5	-169.0	-532.0	-102.2	0.00	0.00	0.00
10,300.0	5.28	252.38	10,274.0	-171.8	-540.7	-103.9	0.00	0.00	0.00
10,400.0	5.28	252.38	10,373.6	-174.5	-549.5	-105.6	0.00	0.00	0.00
10,500.0	5.28	252.38	10,473.2	-177.3	-558.3	-107.2	0.00	0.00	0.00
10,536.0	5.28	252.38	10,509.0	-178.3	-561.4	-107.8	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: #604H
Wellbore: OH
Design: Plan #0.2

Local Co-ordinate Reference: Well #604H
TVD Reference: KB = 25 @ 3740.0usft
MD Reference: KB = 25 @ 3740.0usft
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)
10,600.0	4.00	252.38	10,572.8	-179.9	-566.4	-108.8	2.00	-2.00	0.00
10,700.0	2.00	252.38	10,672.7	-181.5	-571.3	-109.7	2.00	-2.00	0.00
10,799.8	0.00	0.01	10,772.5	-182.0	-573.0	-110.1	2.00	-2.00	0.00
KOP (Della 29 Federal #604H)									
10,825.0	3.02	359.54	10,797.7	-181.3	-573.0	-109.4	12.00	12.00	0.00
10,850.0	6.02	359.54	10,822.6	-179.4	-573.0	-107.5	12.00	12.00	0.00
10,875.0	9.02	359.54	10,847.4	-176.1	-573.0	-104.2	12.00	12.00	0.00
10,900.0	12.02	359.54	10,871.9	-171.5	-573.1	-99.7	12.00	12.00	0.00
10,925.0	15.02	359.54	10,896.2	-165.7	-573.1	-93.9	12.00	12.00	0.00
10,950.0	18.02	359.54	10,920.2	-158.6	-573.2	-86.8	12.00	12.00	0.00
10,975.0	21.02	359.54	10,943.8	-150.2	-573.3	-78.5	12.00	12.00	0.00
11,000.0	24.02	359.54	10,966.9	-140.7	-573.3	-69.0	12.00	12.00	0.00
11,025.0	27.02	359.54	10,989.4	-129.9	-573.4	-58.3	12.00	12.00	0.00
11,050.0	30.02	359.54	11,011.4	-118.0	-573.5	-46.4	12.00	12.00	0.00
11,075.0	33.02	359.54	11,032.7	-104.9	-573.6	-33.5	12.00	12.00	0.00
11,100.0	36.02	359.54	11,053.3	-90.7	-573.7	-19.4	12.00	12.00	0.00
11,125.0	39.02	359.54	11,073.1	-75.5	-573.9	-4.3	12.00	12.00	0.00
11,150.0	42.02	359.54	11,092.1	-59.3	-574.0	11.9	12.00	12.00	0.00
11,175.0	45.02	359.54	11,110.2	-42.0	-574.1	29.0	12.00	12.00	0.00
11,200.0	48.02	359.54	11,127.4	-23.9	-574.3	47.0	12.00	12.00	0.00
FTP (Della 29 Federal #604H)									
11,225.0	51.02	359.54	11,143.7	-4.9	-574.4	65.9	12.00	12.00	0.00
11,250.0	54.02	359.54	11,158.9	14.9	-574.6	85.6	12.00	12.00	0.00
11,275.0	57.02	359.54	11,173.0	35.5	-574.7	106.0	12.00	12.00	0.00
11,300.0	60.02	359.54	11,186.1	56.9	-574.9	127.2	12.00	12.00	0.00
11,325.0	63.02	359.54	11,198.0	78.8	-575.1	149.0	12.00	12.00	0.00
11,350.0	66.02	359.54	11,208.8	101.4	-575.3	171.5	12.00	12.00	0.00
11,375.0	69.02	359.54	11,218.3	124.5	-575.4	194.4	12.00	12.00	0.00
11,400.0	72.02	359.54	11,226.6	148.1	-575.6	217.8	12.00	12.00	0.00
11,425.0	75.02	359.54	11,233.7	172.0	-575.8	241.6	12.00	12.00	0.00
11,450.0	78.02	359.54	11,239.6	196.3	-576.0	265.8	12.00	12.00	0.00
11,475.0	81.02	359.54	11,244.1	220.9	-576.2	290.2	12.00	12.00	0.00
11,500.0	84.02	359.54	11,247.4	245.7	-576.4	314.8	12.00	12.00	0.00
11,525.0	87.02	359.54	11,249.3	270.6	-576.6	339.6	12.00	12.00	0.00
11,549.8	90.00	359.54	11,250.0	295.4	-576.8	364.2	12.00	12.00	0.00
11,600.0	90.00	359.54	11,250.0	345.6	-577.2	414.1	0.00	0.00	0.00
11,700.0	90.00	359.54	11,250.0	445.6	-578.0	513.4	0.00	0.00	0.00
11,800.0	90.00	359.54	11,250.0	545.6	-578.8	612.7	0.00	0.00	0.00
11,900.0	90.00	359.54	11,250.0	645.6	-579.6	712.1	0.00	0.00	0.00
12,000.0	90.00	359.54	11,250.0	745.6	-580.4	811.4	0.00	0.00	0.00
12,100.0	90.00	359.54	11,250.0	845.6	-581.2	910.7	0.00	0.00	0.00
12,200.0	90.00	359.54	11,250.0	945.6	-582.0	1,010.1	0.00	0.00	0.00
12,300.0	90.00	359.54	11,250.0	1,045.6	-582.8	1,109.4	0.00	0.00	0.00
12,400.0	90.00	359.54	11,250.0	1,145.6	-583.6	1,208.7	0.00	0.00	0.00
12,500.0	90.00	359.54	11,250.0	1,245.6	-584.4	1,308.1	0.00	0.00	0.00
12,600.0	90.00	359.54	11,250.0	1,345.6	-585.2	1,407.4	0.00	0.00	0.00
12,700.0	90.00	359.54	11,250.0	1,445.6	-586.0	1,506.7	0.00	0.00	0.00
12,800.0	90.00	359.54	11,250.0	1,545.6	-586.8	1,606.1	0.00	0.00	0.00
12,900.0	90.00	359.54	11,250.0	1,645.6	-587.6	1,705.4	0.00	0.00	0.00
13,000.0	90.00	359.54	11,250.0	1,745.6	-588.4	1,804.7	0.00	0.00	0.00
13,100.0	90.00	359.54	11,250.0	1,845.6	-589.2	1,904.1	0.00	0.00	0.00
13,200.0	90.00	359.54	11,250.0	1,945.6	-590.0	2,003.4	0.00	0.00	0.00
13,300.0	90.00	359.54	11,250.0	2,045.6	-590.8	2,102.7	0.00	0.00	0.00
13,400.0	90.00	359.54	11,250.0	2,145.6	-591.6	2,202.1	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #604H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3740.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3740.0usft
Site:	Della 29 Fed Com	North Reference:	Grid
Well:	#604H	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)
13,500.0	90.00	359.54	11,250.0	2,245.6	-592.4	2,301.4	0.00	0.00	0.00
13,600.0	90.00	359.54	11,250.0	2,345.5	-593.2	2,400.7	0.00	0.00	0.00
13,700.0	90.00	359.54	11,250.0	2,445.5	-594.0	2,500.1	0.00	0.00	0.00
13,800.0	90.00	359.54	11,250.0	2,545.5	-594.8	2,599.4	0.00	0.00	0.00
13,900.0	90.00	359.54	11,250.0	2,645.5	-595.6	2,698.7	0.00	0.00	0.00
14,000.0	90.00	359.54	11,250.0	2,745.5	-596.4	2,798.1	0.00	0.00	0.00
14,100.0	90.00	359.54	11,250.0	2,845.5	-597.2	2,897.4	0.00	0.00	0.00
14,200.0	90.00	359.54	11,250.0	2,945.5	-598.0	2,996.7	0.00	0.00	0.00
14,300.0	90.00	359.54	11,250.0	3,045.5	-598.8	3,096.1	0.00	0.00	0.00
14,400.0	90.00	359.54	11,250.0	3,145.5	-599.6	3,195.4	0.00	0.00	0.00
14,500.0	90.00	359.54	11,250.0	3,245.5	-600.4	3,294.7	0.00	0.00	0.00
14,600.0	90.00	359.54	11,250.0	3,345.5	-601.2	3,394.1	0.00	0.00	0.00
14,700.0	90.00	359.54	11,250.0	3,445.5	-602.0	3,493.4	0.00	0.00	0.00
14,800.0	90.00	359.54	11,250.0	3,545.5	-602.8	3,592.8	0.00	0.00	0.00
14,900.0	90.00	359.54	11,250.0	3,645.5	-603.6	3,692.1	0.00	0.00	0.00
15,000.0	90.00	359.54	11,250.0	3,745.5	-604.4	3,791.4	0.00	0.00	0.00
15,100.0	90.00	359.54	11,250.0	3,845.5	-605.2	3,890.8	0.00	0.00	0.00
15,200.0	90.00	359.54	11,250.0	3,945.5	-606.0	3,990.1	0.00	0.00	0.00
15,300.0	90.00	359.54	11,250.0	4,045.5	-606.8	4,089.4	0.00	0.00	0.00
15,400.0	90.00	359.54	11,250.0	4,145.5	-607.6	4,188.8	0.00	0.00	0.00
15,500.0	90.00	359.54	11,250.0	4,245.5	-608.4	4,288.1	0.00	0.00	0.00
15,600.0	90.00	359.54	11,250.0	4,345.5	-609.2	4,387.4	0.00	0.00	0.00
15,700.0	90.00	359.54	11,250.0	4,445.5	-610.0	4,486.8	0.00	0.00	0.00
15,800.0	90.00	359.54	11,250.0	4,545.5	-610.8	4,586.1	0.00	0.00	0.00
15,900.0	90.00	359.54	11,250.0	4,645.5	-611.6	4,685.4	0.00	0.00	0.00
16,000.0	90.00	359.54	11,250.0	4,745.5	-612.4	4,784.8	0.00	0.00	0.00
16,100.0	90.00	359.54	11,250.0	4,845.5	-613.2	4,884.1	0.00	0.00	0.00
16,203.5	90.00	359.54	11,250.0	4,949.0	-614.0	4,986.9	0.00	0.00	0.00
PBHL (Della 29 Federal #604H)									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP (Della 29 Federal # - hit/miss target - Shape - Point	0.00	0.01	10,772.5	-182.0	-573.0	559,908.00	772,187.00	32° 32' 13.250 N	103° 35' 3.260 W
FTP (Della 29 Federal # - plan misses target center by 163.4usft at 11200.0usft MD (11127.4 TVD, -23.9 N, -574.3 E) - Point	0.00	0.01	11,250.0	-132.0	-573.0	559,958.00	772,187.00	32° 32' 13.745 N	103° 35' 3.256 W
PBHL (Della 29 Federal - plan hits target center - Point	0.00	0.01	11,250.0	4,949.0	-614.0	565,039.00	772,146.00	32° 33' 4.022 N	103° 35' 3.318 W