



OCD - HOBBS
08/20/2019
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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Bandit 29 State Com

#604H

OH

Plan: Plan #0.1

Standard Planning Report

13 March, 2019

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #604H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3563.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3563.0usft
Site:	Bandit 29 State Com	North Reference:	Grid
Well:	#604H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	Bandit 29 State Com					
Site Position:		Northing:	435,375.00 usft	Latitude:	32° 11' 41.017 N	
From:	Map	Easting:	771,884.00 usft	Longitude:	103° 35' 16.930 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.40 °

Well	#604H					
Well Position	+N/-S	31.0 usft	Northing:	435,406.00 usft	Latitude:	32° 11' 41.596 N
	+E/-W	-3,999.0 usft	Easting:	767,885.00 usft	Longitude:	103° 36' 3.464 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,538.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/12/2019	6.78	60.01	47,738.66635097

Design	Plan #0.1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.00

Plan Survey Tool Program	Date	3/12/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	19,832.5 Plan #0.1 (OH)	MWD	
			OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,391.4	1.83	12.36	1,391.4	1.4	0.3	2.00	2.00	0.00	12.36	
11,696.4	1.83	12.36	11,691.1	322.6	70.7	0.00	0.00	0.00	0.00	
11,787.8	0.00	0.00	11,782.5	324.0	71.0	2.00	-2.00	0.00	180.00	KOP(Bandit 29 St Coi
12,537.8	90.00	179.57	12,260.0	-153.4	74.6	12.00	12.00	23.94	179.57	
19,832.5	90.00	179.57	12,260.0	-7,448.0	130.0	0.00	0.00	0.00	0.00	PBHL(Bandit 29 St Cr

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Site:	Bandit 29 State Com	North Reference:	Grid
Well:	#604H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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
1,391.4	1.83	12.36	1,391.4	1.4	0.3	-1.4	2.00	2.00	0.00
1,400.0	1.83	12.36	1,400.0	1.7	0.4	-1.7	0.00	0.00	0.00
1,500.0	1.83	12.36	1,499.9	4.8	1.1	-4.8	0.00	0.00	0.00
1,600.0	1.83	12.36	1,599.9	7.9	1.7	-7.9	0.00	0.00	0.00
1,700.0	1.83	12.36	1,699.8	11.0	2.4	-11.0	0.00	0.00	0.00
1,800.0	1.83	12.36	1,799.8	14.2	3.1	-14.1	0.00	0.00	0.00
1,900.0	1.83	12.36	1,899.7	17.3	3.8	-17.2	0.00	0.00	0.00
2,000.0	1.83	12.36	1,999.7	20.4	4.5	-20.3	0.00	0.00	0.00
2,100.0	1.83	12.36	2,099.6	23.5	5.2	-23.4	0.00	0.00	0.00
2,200.0	1.83	12.36	2,199.6	26.6	5.8	-26.5	0.00	0.00	0.00
2,300.0	1.83	12.36	2,299.5	29.7	6.5	-29.6	0.00	0.00	0.00
2,400.0	1.83	12.36	2,399.5	32.9	7.2	-32.7	0.00	0.00	0.00
2,500.0	1.83	12.36	2,499.4	36.0	7.9	-35.8	0.00	0.00	0.00
2,600.0	1.83	12.36	2,599.4	39.1	8.6	-38.9	0.00	0.00	0.00
2,700.0	1.83	12.36	2,699.3	42.2	9.2	-42.0	0.00	0.00	0.00
2,800.0	1.83	12.36	2,799.3	45.3	9.9	-45.1	0.00	0.00	0.00
2,900.0	1.83	12.36	2,899.2	48.4	10.6	-48.2	0.00	0.00	0.00
3,000.0	1.83	12.36	2,999.2	51.6	11.3	-51.4	0.00	0.00	0.00
3,100.0	1.83	12.36	3,099.1	54.7	12.0	-54.5	0.00	0.00	0.00
3,200.0	1.83	12.36	3,199.1	57.8	12.7	-57.6	0.00	0.00	0.00
3,300.0	1.83	12.36	3,299.0	60.9	13.3	-60.7	0.00	0.00	0.00
3,400.0	1.83	12.36	3,399.0	64.0	14.0	-63.8	0.00	0.00	0.00
3,500.0	1.83	12.36	3,498.9	67.1	14.7	-66.9	0.00	0.00	0.00
3,600.0	1.83	12.36	3,598.9	70.3	15.4	-70.0	0.00	0.00	0.00
3,700.0	1.83	12.36	3,698.8	73.4	16.1	-73.1	0.00	0.00	0.00
3,800.0	1.83	12.36	3,798.8	76.5	16.8	-76.2	0.00	0.00	0.00
3,900.0	1.83	12.36	3,898.7	79.6	17.4	-79.3	0.00	0.00	0.00
4,000.0	1.83	12.36	3,998.7	82.7	18.1	-82.4	0.00	0.00	0.00
4,100.0	1.83	12.36	4,098.6	85.8	18.8	-85.5	0.00	0.00	0.00
4,200.0	1.83	12.36	4,198.6	89.0	19.5	-88.6	0.00	0.00	0.00
4,300.0	1.83	12.36	4,298.5	92.1	20.2	-91.7	0.00	0.00	0.00
4,400.0	1.83	12.36	4,398.5	95.2	20.9	-94.8	0.00	0.00	0.00
4,500.0	1.83	12.36	4,498.4	98.3	21.5	-97.9	0.00	0.00	0.00
4,600.0	1.83	12.36	4,598.4	101.4	22.2	-101.0	0.00	0.00	0.00
4,700.0	1.83	12.36	4,698.3	104.5	22.9	-104.1	0.00	0.00	0.00
4,800.0	1.83	12.36	4,798.2	107.7	23.6	-107.2	0.00	0.00	0.00
4,900.0	1.83	12.36	4,898.2	110.8	24.3	-110.3	0.00	0.00	0.00
5,000.0	1.83	12.36	4,998.1	113.9	25.0	-113.4	0.00	0.00	0.00
5,100.0	1.83	12.36	5,098.1	117.0	25.6	-116.5	0.00	0.00	0.00
5,200.0	1.83	12.36	5,198.0	120.1	26.3	-119.6	0.00	0.00	0.00

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Site:	Bandit 29 State Com	North Reference:	Grid
Well:	#604H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	1.83	12.36	5,298.0	123.2	27.0	-122.7	0.00	0.00	0.00
5,400.0	1.83	12.36	5,397.9	126.4	27.7	-125.8	0.00	0.00	0.00
5,500.0	1.83	12.36	5,497.9	129.5	28.4	-129.0	0.00	0.00	0.00
5,600.0	1.83	12.36	5,597.8	132.6	29.1	-132.1	0.00	0.00	0.00
5,700.0	1.83	12.36	5,697.8	135.7	29.7	-135.2	0.00	0.00	0.00
5,800.0	1.83	12.36	5,797.7	138.8	30.4	-138.3	0.00	0.00	0.00
5,900.0	1.83	12.36	5,897.7	141.9	31.1	-141.4	0.00	0.00	0.00
6,000.0	1.83	12.36	5,997.6	145.0	31.8	-144.5	0.00	0.00	0.00
6,100.0	1.83	12.36	6,097.6	148.2	32.5	-147.6	0.00	0.00	0.00
6,200.0	1.83	12.36	6,197.5	151.3	33.2	-150.7	0.00	0.00	0.00
6,300.0	1.83	12.36	6,297.5	154.4	33.8	-153.8	0.00	0.00	0.00
6,400.0	1.83	12.36	6,397.4	157.5	34.5	-156.9	0.00	0.00	0.00
6,500.0	1.83	12.36	6,497.4	160.6	35.2	-160.0	0.00	0.00	0.00
6,600.0	1.83	12.36	6,597.3	163.7	35.9	-163.1	0.00	0.00	0.00
6,700.0	1.83	12.36	6,697.3	166.9	36.6	-166.2	0.00	0.00	0.00
6,800.0	1.83	12.36	6,797.2	170.0	37.2	-169.3	0.00	0.00	0.00
6,900.0	1.83	12.36	6,897.2	173.1	37.9	-172.4	0.00	0.00	0.00
7,000.0	1.83	12.36	6,997.1	176.2	38.6	-175.5	0.00	0.00	0.00
7,100.0	1.83	12.36	7,097.1	179.3	39.3	-178.6	0.00	0.00	0.00
7,200.0	1.83	12.36	7,197.0	182.4	40.0	-181.7	0.00	0.00	0.00
7,300.0	1.83	12.36	7,297.0	185.6	40.7	-184.8	0.00	0.00	0.00
7,400.0	1.83	12.36	7,396.9	188.7	41.3	-187.9	0.00	0.00	0.00
7,500.0	1.83	12.36	7,496.9	191.8	42.0	-191.0	0.00	0.00	0.00
7,600.0	1.83	12.36	7,596.8	194.9	42.7	-194.1	0.00	0.00	0.00
7,700.0	1.83	12.36	7,696.8	198.0	43.4	-197.2	0.00	0.00	0.00
7,800.0	1.83	12.36	7,796.7	201.1	44.1	-200.3	0.00	0.00	0.00
7,900.0	1.83	12.36	7,896.7	204.3	44.8	-203.5	0.00	0.00	0.00
8,000.0	1.83	12.36	7,996.6	207.4	45.4	-206.6	0.00	0.00	0.00
8,100.0	1.83	12.36	8,096.6	210.5	46.1	-209.7	0.00	0.00	0.00
8,200.0	1.83	12.36	8,196.5	213.6	46.8	-212.8	0.00	0.00	0.00
8,300.0	1.83	12.36	8,296.5	216.7	47.5	-215.9	0.00	0.00	0.00
8,400.0	1.83	12.36	8,396.4	219.8	48.2	-219.0	0.00	0.00	0.00
8,500.0	1.83	12.36	8,496.4	223.0	48.9	-222.1	0.00	0.00	0.00
8,600.0	1.83	12.36	8,596.3	226.1	49.5	-225.2	0.00	0.00	0.00
8,700.0	1.83	12.36	8,696.3	229.2	50.2	-228.3	0.00	0.00	0.00
8,800.0	1.83	12.36	8,796.2	232.3	50.9	-231.4	0.00	0.00	0.00
8,900.0	1.83	12.36	8,896.2	235.4	51.6	-234.5	0.00	0.00	0.00
9,000.0	1.83	12.36	8,996.1	238.5	52.3	-237.6	0.00	0.00	0.00
9,100.0	1.83	12.36	9,096.1	241.7	53.0	-240.7	0.00	0.00	0.00
9,200.0	1.83	12.36	9,196.0	244.8	53.6	-243.8	0.00	0.00	0.00
9,300.0	1.83	12.36	9,296.0	247.9	54.3	-246.9	0.00	0.00	0.00
9,400.0	1.83	12.36	9,395.9	251.0	55.0	-250.0	0.00	0.00	0.00
9,500.0	1.83	12.36	9,495.9	254.1	55.7	-253.1	0.00	0.00	0.00
9,600.0	1.83	12.36	9,595.8	257.2	56.4	-256.2	0.00	0.00	0.00
9,700.0	1.83	12.36	9,695.8	260.4	57.1	-259.3	0.00	0.00	0.00
9,800.0	1.83	12.36	9,795.7	263.5	57.7	-262.4	0.00	0.00	0.00
9,900.0	1.83	12.36	9,895.7	266.6	58.4	-265.5	0.00	0.00	0.00
10,000.0	1.83	12.36	9,995.6	269.7	59.1	-268.6	0.00	0.00	0.00
10,100.0	1.83	12.36	10,095.6	272.8	59.8	-271.7	0.00	0.00	0.00
10,200.0	1.83	12.36	10,195.5	275.9	60.5	-274.8	0.00	0.00	0.00
10,300.0	1.83	12.36	10,295.4	279.1	61.2	-277.9	0.00	0.00	0.00
10,400.0	1.83	12.36	10,395.4	282.2	61.8	-281.1	0.00	0.00	0.00
10,500.0	1.83	12.36	10,495.3	285.3	62.5	-284.2	0.00	0.00	0.00
10,600.0	1.83	12.36	10,595.3	288.4	63.2	-287.3	0.00	0.00	0.00

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Wellbore:	OH		
Design:	Plan #0.1		

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)
10,700.0	1.83	12.36	10,695.2	291.5	63.9	-290.4	0.00	0.00	0.00
10,800.0	1.83	12.36	10,795.2	294.6	64.6	-293.5	0.00	0.00	0.00
10,900.0	1.83	12.36	10,895.1	297.8	65.2	-296.6	0.00	0.00	0.00
11,000.0	1.83	12.36	10,995.1	300.9	65.9	-299.7	0.00	0.00	0.00
11,100.0	1.83	12.36	11,095.0	304.0	66.6	-302.8	0.00	0.00	0.00
11,200.0	1.83	12.36	11,195.0	307.1	67.3	-305.9	0.00	0.00	0.00
11,300.0	1.83	12.36	11,294.9	310.2	68.0	-309.0	0.00	0.00	0.00
11,400.0	1.83	12.36	11,394.9	313.3	68.7	-312.1	0.00	0.00	0.00
11,500.0	1.83	12.36	11,494.8	316.5	69.3	-315.2	0.00	0.00	0.00
11,600.0	1.83	12.36	11,594.8	319.6	70.0	-318.3	0.00	0.00	0.00
11,696.4	1.83	12.36	11,691.1	322.6	70.7	-321.3	0.00	0.00	0.00
11,700.0	1.76	12.36	11,694.7	322.7	70.7	-321.4	2.00	-2.00	0.00
11,787.8	0.00	0.00	11,782.5	324.0	71.0	-322.7	2.00	-2.00	0.00
KOP(Bandit 29 St Com #604H)									
11,800.0	1.47	179.57	11,794.7	323.8	71.0	-322.6	12.00	12.00	0.00
11,825.0	4.47	179.57	11,819.7	322.5	71.0	-321.3	12.00	12.00	0.00
11,850.0	7.47	179.57	11,844.5	320.0	71.0	-318.7	12.00	12.00	0.00
11,875.0	10.47	179.57	11,869.2	316.1	71.1	-314.8	12.00	12.00	0.00
11,900.0	13.47	179.57	11,893.7	310.9	71.1	-309.6	12.00	12.00	0.00
11,925.0	16.47	179.57	11,917.8	304.4	71.1	-303.1	12.00	12.00	0.00
11,950.0	19.47	179.57	11,941.6	296.7	71.2	-295.4	12.00	12.00	0.00
11,975.0	22.47	179.57	11,965.0	287.8	71.3	-286.5	12.00	12.00	0.00
12,000.0	25.47	179.57	11,987.8	277.6	71.4	-276.3	12.00	12.00	0.00
12,025.0	28.47	179.57	12,010.1	266.3	71.4	-265.0	12.00	12.00	0.00
12,050.0	31.47	179.57	12,031.7	253.8	71.5	-252.5	12.00	12.00	0.00
12,075.0	34.47	179.57	12,052.7	240.2	71.6	-238.9	12.00	12.00	0.00
12,100.0	37.47	179.57	12,072.9	225.5	71.7	-224.2	12.00	12.00	0.00
12,125.0	40.47	179.57	12,092.4	209.8	71.9	-208.5	12.00	12.00	0.00
12,150.0	43.47	179.57	12,111.0	193.1	72.0	-191.8	12.00	12.00	0.00
12,175.0	46.47	179.57	12,128.6	175.4	72.1	-174.1	12.00	12.00	0.00
12,189.7	48.23	179.57	12,138.6	164.6	72.2	-163.3	12.00	12.00	0.00
FTP(Bandit 29 St Com #604H)									
12,200.0	49.47	179.57	12,145.4	156.8	72.3	-155.6	12.00	12.00	0.00
12,225.0	52.47	179.57	12,161.1	137.4	72.4	-136.1	12.00	12.00	0.00
12,250.0	55.47	179.57	12,175.8	117.2	72.6	-115.9	12.00	12.00	0.00
12,275.0	58.47	179.57	12,189.5	96.3	72.7	-95.0	12.00	12.00	0.00
12,300.0	61.47	179.57	12,202.0	74.6	72.9	-73.3	12.00	12.00	0.00
12,325.0	64.47	179.57	12,213.3	52.3	73.1	-51.1	12.00	12.00	0.00
12,350.0	67.47	179.57	12,223.5	29.5	73.2	-28.2	12.00	12.00	0.00
12,375.0	70.47	179.57	12,232.5	6.2	73.4	-4.9	12.00	12.00	0.00
12,400.0	73.47	179.57	12,240.2	-17.6	73.6	18.9	12.00	12.00	0.00
12,425.0	76.47	179.57	12,246.7	-41.7	73.8	43.0	12.00	12.00	0.00
12,450.0	79.47	179.57	12,251.9	-66.2	74.0	67.5	12.00	12.00	0.00
12,475.0	82.47	179.57	12,255.8	-90.9	74.1	92.1	12.00	12.00	0.00
12,500.0	85.47	179.57	12,258.5	-115.7	74.3	117.0	12.00	12.00	0.00
12,525.0	88.47	179.57	12,259.8	-140.7	74.5	142.0	12.00	12.00	0.00
12,537.8	90.00	179.57	12,260.0	-153.4	74.6	154.7	12.00	12.00	0.00
12,600.0	90.00	179.57	12,260.0	-215.7	75.1	216.9	0.00	0.00	0.00
12,700.0	90.00	179.57	12,260.0	-315.7	75.9	316.9	0.00	0.00	0.00
12,800.0	90.00	179.57	12,260.0	-415.7	76.6	416.9	0.00	0.00	0.00
12,900.0	90.00	179.57	12,260.0	-515.7	77.4	516.9	0.00	0.00	0.00
13,000.0	90.00	179.57	12,260.0	-615.7	78.1	616.9	0.00	0.00	0.00
13,100.0	90.00	179.57	12,260.0	-715.7	78.9	716.9	0.00	0.00	0.00
13,200.0	90.00	179.57	12,260.0	-815.7	79.7	816.9	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #604H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3563.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3563.0usft
Site:	Bandit 29 State Com	North Reference:	Grid
Well:	#604H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	179.57	12,260.0	-915.7	80.4	916.9	0.00	0.00	0.00
13,400.0	90.00	179.57	12,260.0	-1,015.6	81.2	1,016.9	0.00	0.00	0.00
13,500.0	90.00	179.57	12,260.0	-1,115.6	81.9	1,116.9	0.00	0.00	0.00
13,600.0	90.00	179.57	12,260.0	-1,215.6	82.7	1,216.9	0.00	0.00	0.00
13,700.0	90.00	179.57	12,260.0	-1,315.6	83.4	1,316.9	0.00	0.00	0.00
13,800.0	90.00	179.57	12,260.0	-1,415.6	84.2	1,416.9	0.00	0.00	0.00
13,900.0	90.00	179.57	12,260.0	-1,515.6	85.0	1,516.9	0.00	0.00	0.00
14,000.0	90.00	179.57	12,260.0	-1,615.6	85.7	1,616.9	0.00	0.00	0.00
14,100.0	90.00	179.57	12,260.0	-1,715.6	86.5	1,716.9	0.00	0.00	0.00
14,200.0	90.00	179.57	12,260.0	-1,815.6	87.2	1,816.9	0.00	0.00	0.00
14,300.0	90.00	179.57	12,260.0	-1,915.6	88.0	1,916.9	0.00	0.00	0.00
14,400.0	90.00	179.57	12,260.0	-2,015.6	88.8	2,016.9	0.00	0.00	0.00
14,500.0	90.00	179.57	12,260.0	-2,115.6	89.5	2,116.9	0.00	0.00	0.00
14,600.0	90.00	179.57	12,260.0	-2,215.6	90.3	2,216.9	0.00	0.00	0.00
14,700.0	90.00	179.57	12,260.0	-2,315.6	91.0	2,316.8	0.00	0.00	0.00
14,800.0	90.00	179.57	12,260.0	-2,415.6	91.8	2,416.8	0.00	0.00	0.00
14,900.0	90.00	179.57	12,260.0	-2,515.6	92.6	2,516.8	0.00	0.00	0.00
15,000.0	90.00	179.57	12,260.0	-2,615.6	93.3	2,616.8	0.00	0.00	0.00
15,100.0	90.00	179.57	12,260.0	-2,715.6	94.1	2,716.8	0.00	0.00	0.00
15,200.0	90.00	179.57	12,260.0	-2,815.6	94.8	2,816.8	0.00	0.00	0.00
15,300.0	90.00	179.57	12,260.0	-2,915.6	95.6	2,916.8	0.00	0.00	0.00
15,400.0	90.00	179.57	12,260.0	-3,015.6	96.4	3,016.8	0.00	0.00	0.00
15,500.0	90.00	179.57	12,260.0	-3,115.6	97.1	3,116.8	0.00	0.00	0.00
15,600.0	90.00	179.57	12,260.0	-3,215.6	97.9	3,216.8	0.00	0.00	0.00
15,700.0	90.00	179.57	12,260.0	-3,315.6	98.6	3,316.8	0.00	0.00	0.00
15,800.0	90.00	179.57	12,260.0	-3,415.6	99.4	3,416.8	0.00	0.00	0.00
15,900.0	90.00	179.57	12,260.0	-3,515.6	100.1	3,516.8	0.00	0.00	0.00
16,000.0	90.00	179.57	12,260.0	-3,615.6	100.9	3,616.8	0.00	0.00	0.00
16,100.0	90.00	179.57	12,260.0	-3,715.6	101.7	3,716.8	0.00	0.00	0.00
16,200.0	90.00	179.57	12,260.0	-3,815.6	102.4	3,816.8	0.00	0.00	0.00
16,300.0	90.00	179.57	12,260.0	-3,915.6	103.2	3,916.8	0.00	0.00	0.00
16,400.0	90.00	179.57	12,260.0	-4,015.6	103.9	4,016.8	0.00	0.00	0.00
16,500.0	90.00	179.57	12,260.0	-4,115.6	104.7	4,116.8	0.00	0.00	0.00
16,600.0	90.00	179.57	12,260.0	-4,215.6	105.5	4,216.8	0.00	0.00	0.00
16,700.0	90.00	179.57	12,260.0	-4,315.6	106.2	4,316.8	0.00	0.00	0.00
16,800.0	90.00	179.57	12,260.0	-4,415.6	107.0	4,416.7	0.00	0.00	0.00
16,900.0	90.00	179.57	12,260.0	-4,515.5	107.7	4,516.7	0.00	0.00	0.00
17,000.0	90.00	179.57	12,260.0	-4,615.5	108.5	4,616.7	0.00	0.00	0.00
17,100.0	90.00	179.57	12,260.0	-4,715.5	109.3	4,716.7	0.00	0.00	0.00
17,200.0	90.00	179.57	12,260.0	-4,815.5	110.0	4,816.7	0.00	0.00	0.00
17,300.0	90.00	179.57	12,260.0	-4,915.5	110.8	4,916.7	0.00	0.00	0.00
17,400.0	90.00	179.57	12,260.0	-5,015.5	111.5	5,016.7	0.00	0.00	0.00
17,500.0	90.00	179.57	12,260.0	-5,115.5	112.3	5,116.7	0.00	0.00	0.00
17,600.0	90.00	179.57	12,260.0	-5,215.5	113.1	5,216.7	0.00	0.00	0.00
17,700.0	90.00	179.57	12,260.0	-5,315.5	113.8	5,316.7	0.00	0.00	0.00
17,800.0	90.00	179.57	12,260.0	-5,415.5	114.6	5,416.7	0.00	0.00	0.00
17,900.0	90.00	179.57	12,260.0	-5,515.5	115.3	5,516.7	0.00	0.00	0.00
18,000.0	90.00	179.57	12,260.0	-5,615.5	116.1	5,616.7	0.00	0.00	0.00
18,100.0	90.00	179.57	12,260.0	-5,715.5	116.8	5,716.7	0.00	0.00	0.00
18,200.0	90.00	179.57	12,260.0	-5,815.5	117.6	5,816.7	0.00	0.00	0.00
18,300.0	90.00	179.57	12,260.0	-5,915.5	118.4	5,916.7	0.00	0.00	0.00
18,400.0	90.00	179.57	12,260.0	-6,015.5	119.1	6,016.7	0.00	0.00	0.00
18,500.0	90.00	179.57	12,260.0	-6,115.5	119.9	6,116.7	0.00	0.00	0.00
18,600.0	90.00	179.57	12,260.0	-6,215.5	120.6	6,216.7	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #604H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3563.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3563.0usft
Site:	Bandit 29 State Com	North Reference:	Grid
Well:	#604H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)	
18,700.0	90.00	179.57	12,260.0	-6,315.5	121.4	6,316.7	0.00	0.00	0.00	
18,800.0	90.00	179.57	12,260.0	-6,415.5	122.2	6,416.6	0.00	0.00	0.00	
18,900.0	90.00	179.57	12,260.0	-6,515.5	122.9	6,516.6	0.00	0.00	0.00	
19,000.0	90.00	179.57	12,260.0	-6,615.5	123.7	6,616.6	0.00	0.00	0.00	
19,100.0	90.00	179.57	12,260.0	-6,715.5	124.4	6,716.6	0.00	0.00	0.00	
19,200.0	90.00	179.57	12,260.0	-6,815.5	125.2	6,816.6	0.00	0.00	0.00	
19,300.0	90.00	179.57	12,260.0	-6,915.5	126.0	6,916.6	0.00	0.00	0.00	
19,400.0	90.00	179.57	12,260.0	-7,015.5	126.7	7,016.6	0.00	0.00	0.00	
19,500.0	90.00	179.57	12,260.0	-7,115.5	127.5	7,116.6	0.00	0.00	0.00	
19,600.0	90.00	179.57	12,260.0	-7,215.5	128.2	7,216.6	0.00	0.00	0.00	
19,700.0	90.00	179.57	12,260.0	-7,315.5	129.0	7,316.6	0.00	0.00	0.00	
19,800.0	90.00	179.57	12,260.0	-7,415.5	129.8	7,416.6	0.00	0.00	0.00	
19,832.5	90.00	179.57	12,260.0	-7,448.0	130.0	7,449.1	0.00	0.00	0.00	
PBHL(Bandit 29 St Com #604H)										

Design Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
KOP(Bandit 29 St Com # - plan hits target center - Point	0.00	0.00	11,782.5	324.0	71.0	435,730.00	767,956.00	32° 11' 44.797 N	103° 36' 2.612 W	
FTP(Bandit 29 St Com # - plan misses target center by 163.4usft at 12189.7usft MD (12138.6 TVD, 164.6 N, 72.2 E) - Point	0.00	0.00	12,260.0	274.0	71.0	435,680.00	767,956.00	32° 11' 44.302 N	103° 36' 2.616 W	
PBHL(Bandit 29 St Com - plan hits target center - Point	0.00	0.00	12,260.0	-7,448.0	130.0	427,958.00	768,015.00	32° 10' 27.887 N	103° 36' 2.541 W	