



Lea County, NM (NAD 83 NME)

Bandit 29 State Com

#501H

Plan #0.1

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: 4.40°
Magnetic North: 8.50°
Magnetic Field
Strength: 47888.5nT
Dip Angle: 60.53°
Date: 1/15/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.50°
To convert a Magnetic Direction to a True Direction, Add 9.90° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

WELL DETAILS: #501H

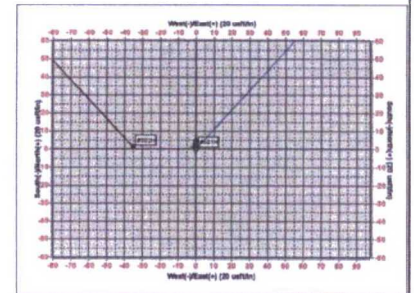
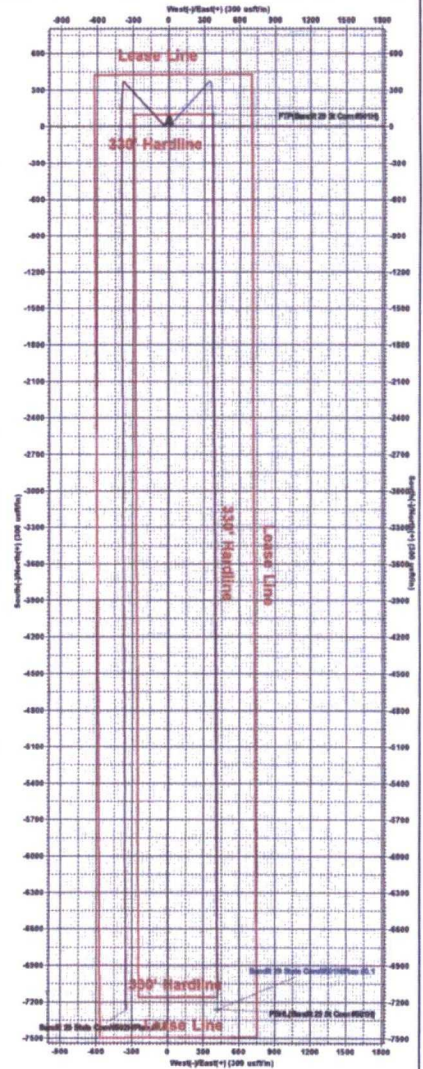
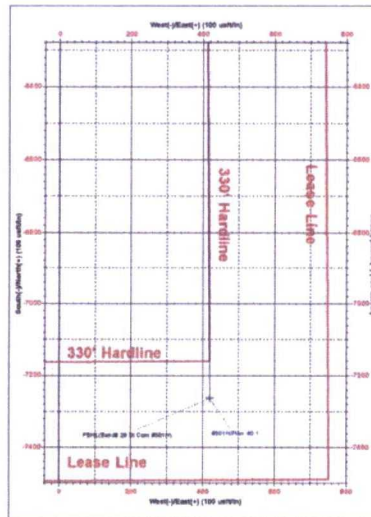
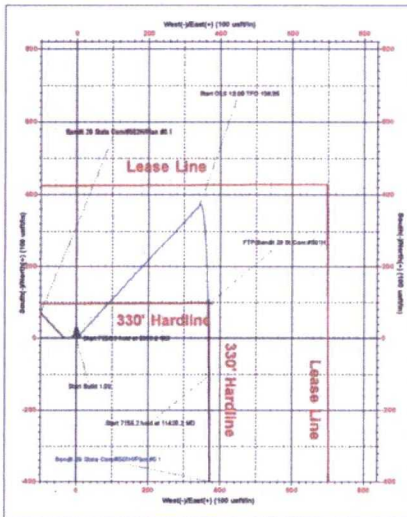
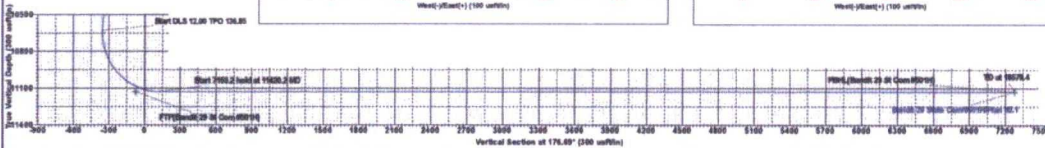
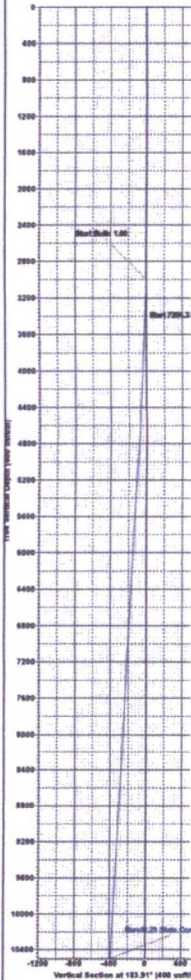
	+N/-S	+E/-W	North	KB = 29 @ 3553 Depth	Longitude	Shot
	0.0	0.0	435375.00	771884.00 32° 11' 41.017 N	103° 36' 16.930 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.00	0.00	0.00	0.0	
3	3390.2	3.90	42.68	3389.9	9.8	9.0	1.00	42.68	-9.2	
4	10646.5	3.90	42.68	10629.3	372.7	343.8	0.00	0.00	-352.3	
5	11420.2	90.00	179.60	11130.0	-104.0	370.4	12.00	136.85	125.2	
6	18579.4	90.00	179.60	11130.0	-7263.0	420.0	0.00	0.00	7275.1	PBHL(Bandit 29 St Com #501H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	North	East	Shape
FTP(Bandit 29 St Com #501H)	11130.0	96.0	389.0	436471.00	772253.00	Point
PBHL(Bandit 29 St Com #501H)	11130.0	-7263.0	420.0	428112.00	772304.00	Point



1:1000 Scale
1" = 100' Horizontal
1" = 100' Vertical



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Bandit 29 State Com

#501H

OH

Plan: Plan #0.1

Standard Planning Report

17 January, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #501H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3553.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3553.0usft
Site:	Bandit 29 State Com	North Reference:	Grid
Well:	#501H	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	#501H			
Well Position	+N/-S	0.0 usft	Northing: 435,375.00 usft	Latitude: 32° 11' 41.017 N
	+E/-W	0.0 usft	Easting: 771,884.00 usft	Longitude: 103° 35' 16.930 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level: 3,528.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/15/2018	6.90	60.03	47,858.53669251

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	176.69

Plan Survey Tool Program	Date 1/17/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,579.4 Plan #0.1 (OH)	MWD	
			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	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,390.2	3.90	42.68	3,389.9	9.8	9.0	1.00	1.00	0.00	42.68	
10,646.5	3.90	42.68	10,629.3	372.7	343.8	0.00	0.00	0.00	0.00	
11,420.2	90.00	179.60	11,130.0	-104.0	370.4	12.00	11.13	17.70	136.85	
18,579.4	90.00	179.60	11,130.0	-7,263.0	420.0	0.00	0.00	0.00	0.00	PBHL(Bandit 29 St C



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Bandit 29 State Com
 Well: #501H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference:
 TVD Reference: KB = 25 @ 3553.0usft
 MD Reference: KB = 25 @ 3553.0usft
 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	1.00	42.68	3,100.0	0.6	0.6	-0.6	1.00	1.00	0.00
3,200.0	2.00	42.68	3,200.0	2.6	2.4	-2.4	1.00	1.00	0.00
3,300.0	3.00	42.68	3,299.9	5.8	5.3	-5.5	1.00	1.00	0.00
3,390.2	3.90	42.68	3,389.9	9.8	9.0	-9.2	1.00	1.00	0.00
3,400.0	3.90	42.68	3,399.7	10.3	9.5	-9.7	0.00	0.00	0.00
3,500.0	3.90	42.68	3,499.4	15.3	14.1	-14.4	0.00	0.00	0.00
3,600.0	3.90	42.68	3,599.2	20.3	18.7	-19.1	0.00	0.00	0.00
3,700.0	3.90	42.68	3,699.0	25.3	23.3	-23.9	0.00	0.00	0.00
3,800.0	3.90	42.68	3,798.7	30.3	27.9	-28.6	0.00	0.00	0.00
3,900.0	3.90	42.68	3,898.5	35.3	32.5	-33.3	0.00	0.00	0.00
4,000.0	3.90	42.68	3,998.3	40.3	37.1	-38.1	0.00	0.00	0.00
4,100.0	3.90	42.68	4,098.1	45.3	41.7	-42.8	0.00	0.00	0.00
4,200.0	3.90	42.68	4,197.8	50.3	46.4	-47.5	0.00	0.00	0.00
4,300.0	3.90	42.68	4,297.6	55.3	51.0	-52.2	0.00	0.00	0.00
4,400.0	3.90	42.68	4,397.4	60.3	55.6	-57.0	0.00	0.00	0.00
4,500.0	3.90	42.68	4,497.1	65.3	60.2	-61.7	0.00	0.00	0.00
4,600.0	3.90	42.68	4,596.9	70.3	64.8	-66.4	0.00	0.00	0.00
4,700.0	3.90	42.68	4,696.7	75.3	69.4	-71.1	0.00	0.00	0.00
4,800.0	3.90	42.68	4,796.4	80.3	74.0	-75.9	0.00	0.00	0.00
4,900.0	3.90	42.68	4,896.2	85.3	78.7	-80.6	0.00	0.00	0.00
5,000.0	3.90	42.68	4,996.0	90.3	83.3	-85.3	0.00	0.00	0.00
5,100.0	3.90	42.68	5,095.7	95.3	87.9	-90.1	0.00	0.00	0.00
5,200.0	3.90	42.68	5,195.5	100.3	92.5	-94.8	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Bandit 29 State Com
 Well: #501H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference:
 TYD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well #501H
 KB = 25 @ 3553.0usft
 KB = 25 @ 3553.0usft
 Grid
 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	3.90	42.68	5,295.3	105.3	97.1	-99.5	0.00	0.00	0.00
5,400.0	3.90	42.68	5,395.0	110.3	101.7	-104.2	0.00	0.00	0.00
5,500.0	3.90	42.68	5,494.8	115.3	106.3	-109.0	0.00	0.00	0.00
5,600.0	3.90	42.68	5,594.6	120.3	110.9	-113.7	0.00	0.00	0.00
5,700.0	3.90	42.68	5,694.3	125.3	115.6	-118.4	0.00	0.00	0.00
5,800.0	3.90	42.68	5,794.1	130.3	120.2	-123.1	0.00	0.00	0.00
5,900.0	3.90	42.68	5,893.9	135.3	124.8	-127.9	0.00	0.00	0.00
6,000.0	3.90	42.68	5,993.6	140.3	129.4	-132.6	0.00	0.00	0.00
6,100.0	3.90	42.68	6,093.4	145.3	134.0	-137.3	0.00	0.00	0.00
6,200.0	3.90	42.68	6,193.2	150.3	138.6	-142.1	0.00	0.00	0.00
6,300.0	3.90	42.68	6,293.0	155.3	143.2	-146.8	0.00	0.00	0.00
6,400.0	3.90	42.68	6,392.7	160.3	147.9	-151.5	0.00	0.00	0.00
6,500.0	3.90	42.68	6,492.5	165.3	152.5	-156.2	0.00	0.00	0.00
6,600.0	3.90	42.68	6,592.3	170.3	157.1	-161.0	0.00	0.00	0.00
6,700.0	3.90	42.68	6,692.0	175.3	161.7	-165.7	0.00	0.00	0.00
6,800.0	3.90	42.68	6,791.8	180.3	166.3	-170.4	0.00	0.00	0.00
6,900.0	3.90	42.68	6,891.6	185.3	170.9	-175.2	0.00	0.00	0.00
7,000.0	3.90	42.68	6,991.3	190.3	175.5	-179.9	0.00	0.00	0.00
7,100.0	3.90	42.68	7,091.1	195.3	180.1	-184.6	0.00	0.00	0.00
7,200.0	3.90	42.68	7,190.9	200.3	184.8	-189.3	0.00	0.00	0.00
7,300.0	3.90	42.68	7,290.6	205.3	189.4	-194.1	0.00	0.00	0.00
7,400.0	3.90	42.68	7,390.4	210.3	194.0	-198.8	0.00	0.00	0.00
7,500.0	3.90	42.68	7,490.2	215.3	198.6	-203.5	0.00	0.00	0.00
7,600.0	3.90	42.68	7,589.9	220.3	203.2	-208.2	0.00	0.00	0.00
7,700.0	3.90	42.68	7,689.7	225.3	207.8	-213.0	0.00	0.00	0.00
7,800.0	3.90	42.68	7,789.5	230.3	212.4	-217.7	0.00	0.00	0.00
7,900.0	3.90	42.68	7,889.2	235.3	217.1	-222.4	0.00	0.00	0.00
8,000.0	3.90	42.68	7,989.0	240.4	221.7	-227.2	0.00	0.00	0.00
8,100.0	3.90	42.68	8,088.8	245.4	226.3	-231.9	0.00	0.00	0.00
8,200.0	3.90	42.68	8,188.5	250.4	230.9	-236.6	0.00	0.00	0.00
8,300.0	3.90	42.68	8,288.3	255.4	235.5	-241.3	0.00	0.00	0.00
8,400.0	3.90	42.68	8,388.1	260.4	240.1	-246.1	0.00	0.00	0.00
8,500.0	3.90	42.68	8,487.9	265.4	244.7	-250.8	0.00	0.00	0.00
8,600.0	3.90	42.68	8,587.6	270.4	249.3	-255.5	0.00	0.00	0.00
8,700.0	3.90	42.68	8,687.4	275.4	254.0	-260.2	0.00	0.00	0.00
8,800.0	3.90	42.68	8,787.2	280.4	258.6	-265.0	0.00	0.00	0.00
8,900.0	3.90	42.68	8,886.9	285.4	263.2	-269.7	0.00	0.00	0.00
9,000.0	3.90	42.68	8,986.7	290.4	267.8	-274.4	0.00	0.00	0.00
9,100.0	3.90	42.68	9,086.5	295.4	272.4	-279.2	0.00	0.00	0.00
9,200.0	3.90	42.68	9,186.2	300.4	277.0	-283.9	0.00	0.00	0.00
9,300.0	3.90	42.68	9,286.0	305.4	281.6	-288.6	0.00	0.00	0.00
9,400.0	3.90	42.68	9,385.8	310.4	286.3	-293.3	0.00	0.00	0.00
9,500.0	3.90	42.68	9,485.5	315.4	290.9	-298.1	0.00	0.00	0.00
9,600.0	3.90	42.68	9,585.3	320.4	295.5	-302.8	0.00	0.00	0.00
9,700.0	3.90	42.68	9,685.1	325.4	300.1	-307.5	0.00	0.00	0.00
9,800.0	3.90	42.68	9,784.8	330.4	304.7	-312.2	0.00	0.00	0.00
9,900.0	3.90	42.68	9,884.6	335.4	309.3	-317.0	0.00	0.00	0.00
10,000.0	3.90	42.68	9,984.4	340.4	313.9	-321.7	0.00	0.00	0.00
10,100.0	3.90	42.68	10,084.1	345.4	318.5	-326.4	0.00	0.00	0.00
10,200.0	3.90	42.68	10,183.9	350.4	323.2	-331.2	0.00	0.00	0.00
10,300.0	3.90	42.68	10,283.7	355.4	327.8	-335.9	0.00	0.00	0.00
10,400.0	3.90	42.68	10,383.5	360.4	332.4	-340.6	0.00	0.00	0.00
10,500.0	3.90	42.68	10,483.2	365.4	337.0	-345.3	0.00	0.00	0.00
10,600.0	3.90	42.68	10,583.0	370.4	341.6	-350.1	0.00	0.00	0.00



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Well #501H
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 KB = 25 @ 3553.0usft
 Grid
 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)
10,646.5	3.90	42.68	10,629.3	372.7	343.8	-352.3	0.00	0.00	0.00
10,650.0	3.60	47.30	10,632.9	372.9	343.9	-352.4	12.00	-8.43	130.68
10,675.0	2.73	101.77	10,657.8	373.3	345.1	-352.8	12.00	-3.50	217.89
10,700.0	4.46	142.92	10,682.8	372.4	346.3	-351.8	12.00	6.92	164.60
10,725.0	7.09	157.62	10,707.7	370.2	347.4	-349.5	12.00	10.54	58.78
10,750.0	9.94	164.18	10,732.4	366.7	348.6	-346.0	12.00	11.37	26.25
10,775.0	12.85	167.82	10,756.9	361.9	349.8	-341.1	12.00	11.66	14.55
10,800.0	15.80	170.12	10,781.1	355.8	350.9	-335.0	12.00	11.78	9.22
10,825.0	18.76	171.72	10,805.0	348.5	352.1	-327.6	12.00	11.85	6.38
10,850.0	21.73	172.89	10,828.4	339.9	353.3	-319.0	12.00	11.89	4.69
10,875.0	24.71	173.79	10,851.4	330.1	354.4	-309.1	12.00	11.92	3.61
10,900.0	27.69	174.51	10,873.8	319.2	355.5	-298.1	12.00	11.93	2.87
10,925.0	30.68	175.10	10,895.7	307.0	356.6	-285.9	12.00	11.95	2.35
10,950.0	33.67	175.59	10,916.8	293.8	357.7	-272.6	12.00	11.95	1.97
10,975.0	36.66	176.01	10,937.3	279.4	358.7	-258.2	12.00	11.96	1.69
11,000.0	39.65	176.38	10,956.9	264.0	359.8	-242.8	12.00	11.97	1.47
11,025.0	42.64	176.70	10,975.7	247.6	360.8	-226.3	12.00	11.97	1.29
11,050.0	45.64	176.99	10,993.7	230.2	361.7	-208.9	12.00	11.97	1.15
11,075.0	48.63	177.25	11,010.7	211.9	362.6	-190.6	12.00	11.98	1.04
11,100.0	51.62	177.49	11,026.7	192.7	363.5	-171.4	12.00	11.98	0.95
11,125.0	54.62	177.71	11,041.7	172.7	364.4	-151.4	12.00	11.98	0.87
11,150.0	57.61	177.91	11,055.6	152.0	365.1	-130.7	12.00	11.98	0.81
11,175.0	60.61	178.10	11,068.5	130.6	365.9	-109.2	12.00	11.98	0.76
11,200.0	63.61	178.28	11,080.2	108.5	366.6	-87.1	12.00	11.98	0.72
11,225.0	66.60	178.45	11,090.7	85.8	367.2	-64.5	12.00	11.98	0.68
11,230.3	67.23	178.48	11,092.8	81.0	367.4	-59.6	12.00	11.98	0.66
FTP(Bandit 29 St Com #501H)									
11,250.0	69.60	178.61	11,100.0	62.6	367.8	-41.3	12.00	11.98	0.65
11,275.0	72.59	178.77	11,108.1	39.0	368.4	-17.7	12.00	11.99	0.62
11,300.0	75.59	178.92	11,115.0	15.0	368.9	6.4	12.00	11.99	0.60
11,325.0	78.59	179.06	11,120.5	-9.4	369.3	30.7	12.00	11.99	0.59
11,350.0	81.58	179.21	11,124.9	-34.0	369.7	55.3	12.00	11.99	0.58
11,375.0	84.58	179.35	11,127.9	-58.8	370.0	80.1	12.00	11.99	0.57
11,400.0	87.58	179.49	11,129.6	-83.8	370.2	105.0	12.00	11.99	0.56
11,420.2	90.00	179.60	11,130.0	-104.0	370.4	125.2	12.00	11.99	0.56
11,500.0	90.00	179.60	11,130.0	-183.8	370.9	204.9	0.00	0.00	0.00
11,600.0	90.00	179.60	11,130.0	-283.8	371.6	304.7	0.00	0.00	0.00
11,700.0	90.00	179.60	11,130.0	-383.8	372.3	404.6	0.00	0.00	0.00
11,800.0	90.00	179.60	11,130.0	-483.8	373.0	504.5	0.00	0.00	0.00
11,900.0	90.00	179.60	11,130.0	-583.8	373.7	604.4	0.00	0.00	0.00
12,000.0	90.00	179.60	11,130.0	-683.7	374.4	704.2	0.00	0.00	0.00
12,100.0	90.00	179.60	11,130.0	-783.7	375.1	804.1	0.00	0.00	0.00
12,200.0	90.00	179.60	11,130.0	-883.7	375.8	904.0	0.00	0.00	0.00
12,300.0	90.00	179.60	11,130.0	-983.7	376.5	1,003.8	0.00	0.00	0.00
12,400.0	90.00	179.60	11,130.0	-1,083.7	377.2	1,103.7	0.00	0.00	0.00
12,500.0	90.00	179.60	11,130.0	-1,183.7	377.9	1,203.6	0.00	0.00	0.00
12,600.0	90.00	179.60	11,130.0	-1,283.7	378.6	1,303.4	0.00	0.00	0.00
12,700.0	90.00	179.60	11,130.0	-1,383.7	379.3	1,403.3	0.00	0.00	0.00
12,800.0	90.00	179.60	11,130.0	-1,483.7	379.9	1,503.2	0.00	0.00	0.00
12,900.0	90.00	179.60	11,130.0	-1,583.7	380.6	1,603.1	0.00	0.00	0.00
13,000.0	90.00	179.60	11,130.0	-1,683.7	381.3	1,702.9	0.00	0.00	0.00
13,100.0	90.00	179.60	11,130.0	-1,783.7	382.0	1,802.8	0.00	0.00	0.00
13,200.0	90.00	179.60	11,130.0	-1,883.7	382.7	1,902.7	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Bandit 29 State Corn
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #501H
KB = 25 @ 3553.0usft
KB = 25 @ 3553.0usft
Grid
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	179.60	11,130.0	-1,983.7	383.4	2,002.5	0.00	0.00	0.00
13,400.0	90.00	179.60	11,130.0	-2,083.7	384.1	2,102.4	0.00	0.00	0.00
13,500.0	90.00	179.60	11,130.0	-2,183.7	384.8	2,202.3	0.00	0.00	0.00
13,600.0	90.00	179.60	11,130.0	-2,283.7	385.5	2,302.2	0.00	0.00	0.00
13,700.0	90.00	179.60	11,130.0	-2,383.7	386.2	2,402.0	0.00	0.00	0.00
13,800.0	90.00	179.60	11,130.0	-2,483.7	386.9	2,501.9	0.00	0.00	0.00
13,900.0	90.00	179.60	11,130.0	-2,583.7	387.6	2,601.8	0.00	0.00	0.00
14,000.0	90.00	179.60	11,130.0	-2,683.7	388.3	2,701.6	0.00	0.00	0.00
14,100.0	90.00	179.60	11,130.0	-2,783.7	389.0	2,801.5	0.00	0.00	0.00
14,200.0	90.00	179.60	11,130.0	-2,883.7	389.7	2,901.4	0.00	0.00	0.00
14,300.0	90.00	179.60	11,130.0	-2,983.7	390.3	3,001.3	0.00	0.00	0.00
14,400.0	90.00	179.60	11,130.0	-3,083.7	391.0	3,101.1	0.00	0.00	0.00
14,500.0	90.00	179.60	11,130.0	-3,183.7	391.7	3,201.0	0.00	0.00	0.00
14,600.0	90.00	179.60	11,130.0	-3,283.7	392.4	3,300.9	0.00	0.00	0.00
14,700.0	90.00	179.60	11,130.0	-3,383.7	393.1	3,400.7	0.00	0.00	0.00
14,800.0	90.00	179.60	11,130.0	-3,483.7	393.8	3,500.6	0.00	0.00	0.00
14,900.0	90.00	179.60	11,130.0	-3,583.7	394.5	3,600.5	0.00	0.00	0.00
15,000.0	90.00	179.60	11,130.0	-3,683.7	395.2	3,700.3	0.00	0.00	0.00
15,100.0	90.00	179.60	11,130.0	-3,783.7	395.9	3,800.2	0.00	0.00	0.00
15,200.0	90.00	179.60	11,130.0	-3,883.7	396.6	3,900.1	0.00	0.00	0.00
15,300.0	90.00	179.60	11,130.0	-3,983.7	397.3	4,000.0	0.00	0.00	0.00
15,400.0	90.00	179.60	11,130.0	-4,083.7	398.0	4,099.8	0.00	0.00	0.00
15,500.0	90.00	179.60	11,130.0	-4,183.7	398.7	4,199.7	0.00	0.00	0.00
15,600.0	90.00	179.60	11,130.0	-4,283.7	399.4	4,299.6	0.00	0.00	0.00
15,700.0	90.00	179.60	11,130.0	-4,383.7	400.0	4,399.4	0.00	0.00	0.00
15,800.0	90.00	179.60	11,130.0	-4,483.7	400.7	4,499.3	0.00	0.00	0.00
15,900.0	90.00	179.60	11,130.0	-4,583.7	401.4	4,599.2	0.00	0.00	0.00
16,000.0	90.00	179.60	11,130.0	-4,683.7	402.1	4,699.1	0.00	0.00	0.00
16,100.0	90.00	179.60	11,130.0	-4,783.7	402.8	4,798.9	0.00	0.00	0.00
16,200.0	90.00	179.60	11,130.0	-4,883.6	403.5	4,898.8	0.00	0.00	0.00
16,300.0	90.00	179.60	11,130.0	-4,983.6	404.2	4,998.7	0.00	0.00	0.00
16,400.0	90.00	179.60	11,130.0	-5,083.6	404.9	5,098.5	0.00	0.00	0.00
16,500.0	90.00	179.60	11,130.0	-5,183.6	405.6	5,198.4	0.00	0.00	0.00
16,600.0	90.00	179.60	11,130.0	-5,283.6	406.3	5,298.3	0.00	0.00	0.00
16,700.0	90.00	179.60	11,130.0	-5,383.6	407.0	5,398.2	0.00	0.00	0.00
16,800.0	90.00	179.60	11,130.0	-5,483.6	407.7	5,498.0	0.00	0.00	0.00
16,900.0	90.00	179.60	11,130.0	-5,583.6	408.4	5,597.9	0.00	0.00	0.00
17,000.0	90.00	179.60	11,130.0	-5,683.6	409.1	5,697.8	0.00	0.00	0.00
17,100.0	90.00	179.60	11,130.0	-5,783.6	409.7	5,797.6	0.00	0.00	0.00
17,200.0	90.00	179.60	11,130.0	-5,883.6	410.4	5,897.5	0.00	0.00	0.00
17,300.0	90.00	179.60	11,130.0	-5,983.6	411.1	5,997.4	0.00	0.00	0.00
17,400.0	90.00	179.60	11,130.0	-6,083.6	411.8	6,097.2	0.00	0.00	0.00
17,500.0	90.00	179.60	11,130.0	-6,183.6	412.5	6,197.1	0.00	0.00	0.00
17,600.0	90.00	179.60	11,130.0	-6,283.6	413.2	6,297.0	0.00	0.00	0.00
17,700.0	90.00	179.60	11,130.0	-6,383.6	413.9	6,396.9	0.00	0.00	0.00
17,800.0	90.00	179.60	11,130.0	-6,483.6	414.6	6,496.7	0.00	0.00	0.00
17,900.0	90.00	179.60	11,130.0	-6,583.6	415.3	6,596.6	0.00	0.00	0.00
18,000.0	90.00	179.60	11,130.0	-6,683.6	416.0	6,696.5	0.00	0.00	0.00
18,100.0	90.00	179.60	11,130.0	-6,783.6	416.7	6,796.3	0.00	0.00	0.00
18,200.0	90.00	179.60	11,130.0	-6,883.6	417.4	6,896.2	0.00	0.00	0.00
18,300.0	90.00	179.60	11,130.0	-6,983.6	418.1	6,996.1	0.00	0.00	0.00
18,400.0	90.00	179.60	11,130.0	-7,083.6	418.8	7,096.0	0.00	0.00	0.00
18,500.0	90.00	179.60	11,130.0	-7,183.6	419.4	7,195.8	0.00	0.00	0.00
18,579.4	90.00	179.60	11,130.0	-7,263.0	420.0	7,275.1	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Bandit 29 State Com
Well: #501H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 25 @ 3553.0usft
MD Reference: KB = 25 @ 3553.0usft
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)
PBHL(Bandit 29 St Com #501H)									

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
FTP(Bandit 29 St Com # - plan misses target center by 40.2usft at 11230.3usft MD (11092.8 TVD, 81.0 N, 367.4 E) - Point	0.00	0.00	11,130.0	96.0	369.0	435,471.00	772,253.00	32° 11' 41.942 N	103° 35' 12.628 W
PBHL(Bandit 29 St Com - plan hits target center - Point	0.00	0.00	11,130.0	-7,263.0	420.0	428,112.00	772,304.00	32° 10' 29.119 N	103° 35' 12.629 W