

HOBBS OCD
MAR 05 2018
RECEIVED



Lea County, NM (NAD 83 NME)

Bandit 29 State Com

#504H

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: -6.39°
Magnetic North: 6.49°
Magnetic Field
Strength: 47845.3nT
Dip Angle: 80.52°
Date: 3/1/2016
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.49°
To convert a Magnetic Direction to a True Direction, Add 6.89° East
To convert a True Direction to a Grid Direction, Subtract 0.39°

WELL DETAILS: #504H

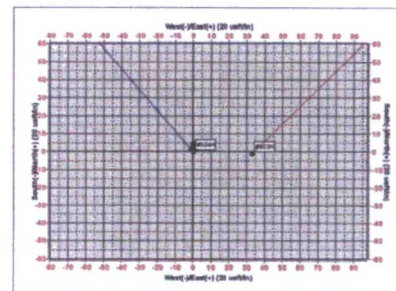
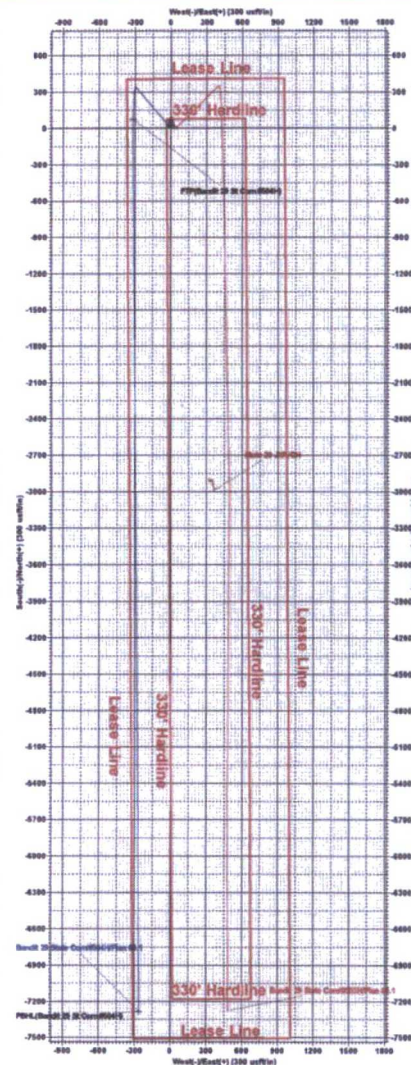
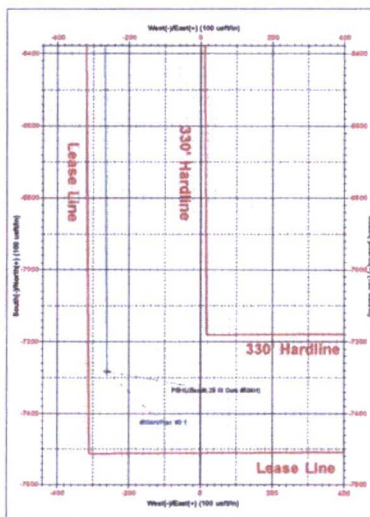
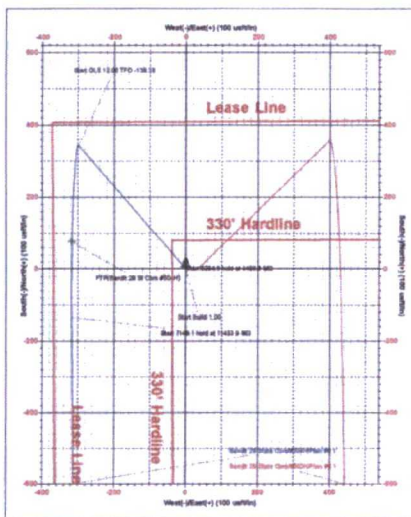
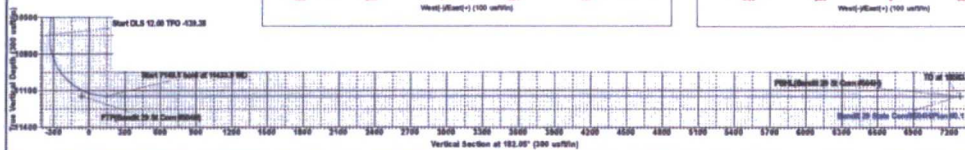
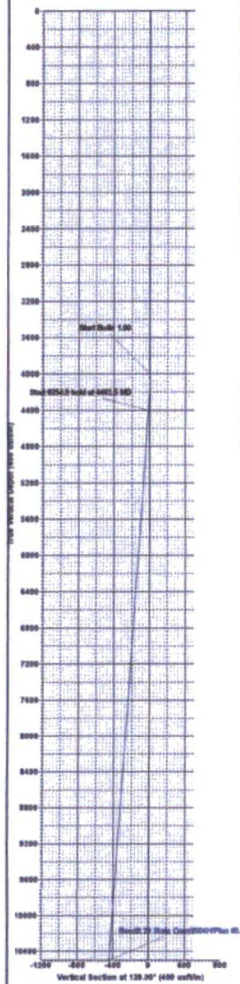
3533.0
KB = 29 @ 3058.0m
Easting 770307.00 32° 11' 41.194 N
Longitude 103° 36' 35.281 W
Spot

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	4403.5	4.03	319.00	4403.1	10.7	-9.3	1.00	319.00	-10.4	
4	10658.4	4.03	319.00	10642.5	342.9	-298.1	0.00	0.00	-332.0	
5	11433.9	90.00	179.55	11145.0	-134.1	-317.3	12.00	-139.38	145.4	
6	18593.1	90.00	179.55	11145.0	-7263.0	-261.0	0.00	0.00	7287.7	PBHL(Bandit 29 St Com #504H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
FTP(Bandit 29 St Com #504H)	11145.0	76.0	-319.0	435458.00	799998.00	Point
PBHL(Bandit 29 St Com #504H)	11145.0	-7263.0	-261.0	429098.00	770046.00	Point



Printed: 3/1/2016 10:00 AM
User: [redacted]
Title: [redacted]



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Bandit 29 State Com

#504H

OH

Plan: Plan #0.1

Standard Planning Report

02 March, 2018



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Bandit 29 State Com
Well: #504H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #504H
TVD Reference: KB = 25 @ 3558.0usft
MD Reference: KB = 25 @ 3558.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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 #504H

Well Position +N/-S 7.0 usft **Northing:** 435,382.00 usft **Latitude:** 32° 11' 41.194 N
 +E/-W -1,577.0 usft **Easting:** 770,307.00 usft **Longitude:** 103° 35' 35.281 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** **Ground Level:** 3,533.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/1/2018	6.89	60.02	47,845.32039875

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	182.05

Plan Survey Tool Program Date 3/2/2018

Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,583.1 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	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,403.5	4.03	319.00	4,403.1	10.7	-9.3	1.00	1.00	0.00	319.00	
10,658.4	4.03	319.00	10,642.5	342.9	-298.1	0.00	0.00	0.00	0.00	
11,433.9	90.00	179.55	11,145.0	-134.1	-317.3	12.00	11.08	-17.98	-139.38	
18,583.1	90.00	179.55	11,145.0	-7,283.0	-261.0	0.00	0.00	0.00	0.00	PBHL(Bandit 29 St Cr



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Bandit 29 State Com
 Well: #504H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #504H
 TVD Reference: KB = 25 @ 3558.0usft
 MD Reference: KB = 25 @ 3558.0usft
 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	1.00	319.00	4,100.0	0.7	-0.6	-0.6	1.00	1.00	0.00
4,200.0	2.00	319.00	4,200.0	2.6	-2.3	-2.6	1.00	1.00	0.00
4,300.0	3.00	319.00	4,299.9	5.9	-5.2	-5.7	1.00	1.00	0.00
4,403.5	4.03	319.00	4,403.1	10.7	-9.3	-10.4	1.00	1.00	0.00
4,500.0	4.03	319.00	4,499.4	15.8	-13.8	-15.3	0.00	0.00	0.00
4,600.0	4.03	319.00	4,599.2	21.2	-18.4	-20.5	0.00	0.00	0.00
4,700.0	4.03	319.00	4,698.9	26.5	-23.0	-25.6	0.00	0.00	0.00
4,800.0	4.03	319.00	4,798.7	31.8	-27.6	-30.8	0.00	0.00	0.00
4,900.0	4.03	319.00	4,898.4	37.1	-32.2	-35.9	0.00	0.00	0.00
5,000.0	4.03	319.00	4,998.2	42.4	-36.9	-41.0	0.00	0.00	0.00
5,100.0	4.03	319.00	5,097.9	47.7	-41.5	-46.2	0.00	0.00	0.00
5,200.0	4.03	319.00	5,197.7	53.0	-46.1	-51.3	0.00	0.00	0.00
5,300.0	4.03	319.00	5,297.4	58.3	-50.7	-56.5	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: #504H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #504H
TVD Reference: KB = 25 @ 3558.0usft
MD Reference: KB = 25 @ 3558.0usft
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)
5,400.0	4.03	319.00	5,397.2	63.6	-55.3	-61.6	0.00	0.00	0.00
5,500.0	4.03	319.00	5,496.9	68.9	-59.9	-66.8	0.00	0.00	0.00
5,600.0	4.03	319.00	5,596.7	74.3	-64.6	-71.9	0.00	0.00	0.00
5,700.0	4.03	319.00	5,696.5	79.6	-69.2	-77.0	0.00	0.00	0.00
5,800.0	4.03	319.00	5,796.2	84.9	-73.8	-82.2	0.00	0.00	0.00
5,900.0	4.03	319.00	5,896.0	90.2	-78.4	-87.3	0.00	0.00	0.00
6,000.0	4.03	319.00	5,995.7	95.5	-83.0	-92.5	0.00	0.00	0.00
6,100.0	4.03	319.00	6,095.5	100.8	-87.6	-97.6	0.00	0.00	0.00
6,200.0	4.03	319.00	6,195.2	106.1	-92.2	-102.7	0.00	0.00	0.00
6,300.0	4.03	319.00	6,295.0	111.4	-96.9	-107.9	0.00	0.00	0.00
6,400.0	4.03	319.00	6,394.7	116.7	-101.5	-113.0	0.00	0.00	0.00
6,500.0	4.03	319.00	6,494.5	122.0	-106.1	-118.2	0.00	0.00	0.00
6,600.0	4.03	319.00	6,594.2	127.4	-110.7	-123.3	0.00	0.00	0.00
6,700.0	4.03	319.00	6,694.0	132.7	-115.3	-128.5	0.00	0.00	0.00
6,800.0	4.03	319.00	6,793.7	138.0	-119.9	-133.6	0.00	0.00	0.00
6,900.0	4.03	319.00	6,893.5	143.3	-124.6	-138.7	0.00	0.00	0.00
7,000.0	4.03	319.00	6,993.2	148.6	-129.2	-143.9	0.00	0.00	0.00
7,100.0	4.03	319.00	7,093.0	153.9	-133.8	-149.0	0.00	0.00	0.00
7,200.0	4.03	319.00	7,192.7	159.2	-138.4	-154.2	0.00	0.00	0.00
7,300.0	4.03	319.00	7,292.5	164.5	-143.0	-159.3	0.00	0.00	0.00
7,400.0	4.03	319.00	7,392.2	169.8	-147.6	-164.4	0.00	0.00	0.00
7,500.0	4.03	319.00	7,492.0	175.2	-152.3	-169.6	0.00	0.00	0.00
7,600.0	4.03	319.00	7,591.7	180.5	-156.9	-174.7	0.00	0.00	0.00
7,700.0	4.03	319.00	7,691.5	185.8	-161.5	-179.9	0.00	0.00	0.00
7,800.0	4.03	319.00	7,791.2	191.1	-166.1	-185.0	0.00	0.00	0.00
7,900.0	4.03	319.00	7,891.0	196.4	-170.7	-190.2	0.00	0.00	0.00
8,000.0	4.03	319.00	7,990.8	201.7	-175.3	-195.3	0.00	0.00	0.00
8,100.0	4.03	319.00	8,090.5	207.0	-180.0	-200.4	0.00	0.00	0.00
8,200.0	4.03	319.00	8,190.3	212.3	-184.6	-205.6	0.00	0.00	0.00
8,300.0	4.03	319.00	8,290.0	217.6	-189.2	-210.7	0.00	0.00	0.00
8,400.0	4.03	319.00	8,389.8	222.9	-193.8	-215.9	0.00	0.00	0.00
8,500.0	4.03	319.00	8,489.5	228.3	-198.4	-221.0	0.00	0.00	0.00
8,600.0	4.03	319.00	8,589.3	233.6	-203.0	-226.1	0.00	0.00	0.00
8,700.0	4.03	319.00	8,689.0	238.9	-207.7	-231.3	0.00	0.00	0.00
8,800.0	4.03	319.00	8,788.8	244.2	-212.3	-236.4	0.00	0.00	0.00
8,900.0	4.03	319.00	8,888.5	249.5	-216.9	-241.6	0.00	0.00	0.00
9,000.0	4.03	319.00	8,988.3	254.8	-221.5	-246.7	0.00	0.00	0.00
9,100.0	4.03	319.00	9,088.0	260.1	-226.1	-251.9	0.00	0.00	0.00
9,200.0	4.03	319.00	9,187.8	265.4	-230.7	-257.0	0.00	0.00	0.00
9,300.0	4.03	319.00	9,287.5	270.7	-235.4	-262.1	0.00	0.00	0.00
9,400.0	4.03	319.00	9,387.3	276.0	-240.0	-267.3	0.00	0.00	0.00
9,500.0	4.03	319.00	9,487.0	281.4	-244.6	-272.4	0.00	0.00	0.00
9,600.0	4.03	319.00	9,586.8	286.7	-249.2	-277.6	0.00	0.00	0.00
9,700.0	4.03	319.00	9,686.5	292.0	-253.8	-282.7	0.00	0.00	0.00
9,800.0	4.03	319.00	9,786.3	297.3	-258.4	-287.8	0.00	0.00	0.00
9,900.0	4.03	319.00	9,886.0	302.6	-263.1	-293.0	0.00	0.00	0.00
10,000.0	4.03	319.00	9,985.8	307.9	-267.7	-298.1	0.00	0.00	0.00
10,100.0	4.03	319.00	10,085.5	313.2	-272.3	-303.3	0.00	0.00	0.00
10,200.0	4.03	319.00	10,185.3	318.5	-276.9	-308.4	0.00	0.00	0.00
10,300.0	4.03	319.00	10,285.1	323.8	-281.5	-313.5	0.00	0.00	0.00
10,400.0	4.03	319.00	10,384.8	329.1	-286.1	-318.7	0.00	0.00	0.00
10,500.0	4.03	319.00	10,484.6	334.5	-290.8	-323.8	0.00	0.00	0.00
10,600.0	4.03	319.00	10,584.3	339.8	-295.4	-329.0	0.00	0.00	0.00
10,658.4	4.03	319.00	10,642.5	342.9	-298.1	-332.0	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Bandit 29 State Com
Well: #504H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #504H
TVD Reference: KB = 25 @ 3558.0usft
MD Reference: KB = 25 @ 3558.0usft
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)
10,675.0	2.83	291.72	10,659.1	343.5	-298.8	-332.5	12.00	-7.22	-164.06
10,700.0	3.26	233.20	10,684.1	343.3	-300.0	-332.3	12.00	1.69	-234.07
10,725.0	5.58	207.52	10,709.0	341.8	-301.1	-330.8	12.00	9.30	-102.74
10,750.0	8.35	197.75	10,733.8	339.0	-302.2	-327.9	12.00	11.07	-39.06
10,775.0	11.24	192.89	10,758.5	334.8	-303.3	-323.8	12.00	11.55	-19.44
10,800.0	14.17	190.01	10,782.9	329.5	-304.4	-318.3	12.00	11.73	-11.52
10,825.0	17.13	188.11	10,806.9	322.8	-305.4	-311.7	12.00	11.82	-7.62
10,850.0	20.10	186.75	10,830.6	314.9	-306.5	-303.7	12.00	11.87	-5.43
10,875.0	23.07	185.73	10,853.9	305.7	-307.5	-294.5	12.00	11.91	-4.08
10,900.0	26.05	184.93	10,876.6	295.4	-308.4	-284.2	12.00	11.93	-3.19
10,925.0	29.04	184.29	10,898.8	283.9	-309.3	-272.6	12.00	11.94	-2.58
10,950.0	32.03	183.75	10,920.3	271.2	-310.2	-259.9	12.00	11.95	-2.13
10,975.0	35.02	183.30	10,941.1	257.4	-311.1	-246.1	12.00	11.96	-1.81
11,000.0	38.01	182.91	10,961.2	242.6	-311.9	-231.3	12.00	11.96	-1.56
11,025.0	41.00	182.57	10,980.5	226.7	-312.6	-215.4	12.00	11.97	-1.36
11,050.0	43.99	182.27	10,998.9	209.8	-313.4	-198.5	12.00	11.97	-1.21
11,075.0	46.99	182.00	11,016.5	192.0	-314.0	-180.6	12.00	11.98	-1.08
11,100.0	49.98	181.76	11,033.0	173.3	-314.6	-161.9	12.00	11.98	-0.98
11,125.0	52.98	181.53	11,048.6	153.8	-315.2	-142.4	12.00	11.98	-0.90
11,150.0	55.97	181.32	11,063.1	133.4	-315.7	-122.0	12.00	11.98	-0.83
11,175.0	58.97	181.13	11,076.6	112.3	-316.1	-101.0	12.00	11.98	-0.77
11,200.0	61.96	180.95	11,088.9	90.6	-316.5	-79.2	12.00	11.98	-0.73
11,225.0	64.96	180.78	11,100.1	68.2	-316.9	-56.8	12.00	11.98	-0.69
11,235.9	66.26	180.70	11,104.6	58.4	-317.0	-47.0	12.00	11.98	-0.66
FTP(Bandit 29 St Com #504H)									
11,250.0	67.95	180.61	11,110.1	45.3	-317.2	-33.9	12.00	11.99	-0.65
11,275.0	70.95	180.46	11,118.8	21.9	-317.4	-10.5	12.00	11.99	-0.63
11,300.0	73.95	180.30	11,126.4	-1.9	-317.5	13.3	12.00	11.99	-0.60
11,325.0	76.94	180.16	11,132.6	-26.1	-317.6	37.5	12.00	11.99	-0.59
11,350.0	79.94	180.01	11,137.7	-50.6	-317.7	61.9	12.00	11.99	-0.57
11,375.0	82.94	179.87	11,141.4	-75.3	-317.6	86.6	12.00	11.99	-0.56
11,400.0	85.93	179.74	11,143.8	-100.2	-317.6	111.5	12.00	11.99	-0.56
11,425.0	88.93	179.60	11,144.9	-125.2	-317.4	136.5	12.00	11.99	-0.55
11,433.9	90.00	179.55	11,145.0	-134.1	-317.3	145.4	12.00	11.99	-0.55
11,500.0	90.00	179.55	11,145.0	-200.2	-316.8	211.4	0.00	0.00	0.00
11,600.0	90.00	179.55	11,145.0	-300.2	-316.0	311.3	0.00	0.00	0.00
11,700.0	90.00	179.55	11,145.0	-400.2	-315.2	411.2	0.00	0.00	0.00
11,800.0	90.00	179.55	11,145.0	-500.2	-314.5	511.1	0.00	0.00	0.00
11,900.0	90.00	179.55	11,145.0	-600.2	-313.7	611.0	0.00	0.00	0.00
12,000.0	90.00	179.55	11,145.0	-700.1	-312.9	710.9	0.00	0.00	0.00
12,100.0	90.00	179.55	11,145.0	-800.1	-312.1	810.8	0.00	0.00	0.00
12,200.0	90.00	179.55	11,145.0	-900.1	-311.3	910.7	0.00	0.00	0.00
12,300.0	90.00	179.55	11,145.0	-1,000.1	-310.5	1,010.6	0.00	0.00	0.00
12,400.0	90.00	179.55	11,145.0	-1,100.1	-309.7	1,110.5	0.00	0.00	0.00
12,500.0	90.00	179.55	11,145.0	-1,200.1	-308.9	1,210.4	0.00	0.00	0.00
12,600.0	90.00	179.55	11,145.0	-1,300.1	-308.2	1,310.3	0.00	0.00	0.00
12,700.0	90.00	179.55	11,145.0	-1,400.1	-307.4	1,410.2	0.00	0.00	0.00
12,800.0	90.00	179.55	11,145.0	-1,500.1	-306.6	1,510.1	0.00	0.00	0.00
12,900.0	90.00	179.55	11,145.0	-1,600.1	-305.8	1,610.0	0.00	0.00	0.00
13,000.0	90.00	179.55	11,145.0	-1,700.1	-305.0	1,710.0	0.00	0.00	0.00
13,100.0	90.00	179.55	11,145.0	-1,800.1	-304.2	1,809.9	0.00	0.00	0.00
13,200.0	90.00	179.55	11,145.0	-1,900.1	-303.4	1,909.8	0.00	0.00	0.00
13,300.0	90.00	179.55	11,145.0	-2,000.1	-302.6	2,009.7	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 Com
Well: #504H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #504H
TVD Reference: KB = 25 @ 3558.0usft
MD Reference: KB = 25 @ 3558.0usft
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)
13,400.0	90.00	179.55	11,145.0	-2,100.1	-301.8	2,109.6	0.00	0.00	0.00
13,500.0	90.00	179.55	11,145.0	-2,200.1	-301.1	2,209.5	0.00	0.00	0.00
13,600.0	90.00	179.55	11,145.0	-2,300.1	-300.3	2,309.4	0.00	0.00	0.00
13,700.0	90.00	179.55	11,145.0	-2,400.1	-299.5	2,409.3	0.00	0.00	0.00
13,800.0	90.00	179.55	11,145.0	-2,500.1	-298.7	2,509.2	0.00	0.00	0.00
13,900.0	90.00	179.55	11,145.0	-2,600.1	-297.9	2,609.1	0.00	0.00	0.00
14,000.0	90.00	179.55	11,145.0	-2,700.1	-297.1	2,709.0	0.00	0.00	0.00
14,100.0	90.00	179.55	11,145.0	-2,800.1	-296.3	2,808.9	0.00	0.00	0.00
14,200.0	90.00	179.55	11,145.0	-2,900.1	-295.5	2,908.8	0.00	0.00	0.00
14,300.0	90.00	179.55	11,145.0	-3,000.1	-294.8	3,008.7	0.00	0.00	0.00
14,400.0	90.00	179.55	11,145.0	-3,100.1	-294.0	3,108.6	0.00	0.00	0.00
14,500.0	90.00	179.55	11,145.0	-3,200.1	-293.2	3,208.5	0.00	0.00	0.00
14,600.0	90.00	179.55	11,145.0	-3,300.1	-292.4	3,308.4	0.00	0.00	0.00
14,700.0	90.00	179.55	11,145.0	-3,400.1	-291.6	3,408.3	0.00	0.00	0.00
14,800.0	90.00	179.55	11,145.0	-3,500.1	-290.8	3,508.2	0.00	0.00	0.00
14,900.0	90.00	179.55	11,145.0	-3,600.1	-290.0	3,608.1	0.00	0.00	0.00
15,000.0	90.00	179.55	11,145.0	-3,700.1	-289.2	3,708.0	0.00	0.00	0.00
15,100.0	90.00	179.55	11,145.0	-3,800.1	-288.5	3,807.9	0.00	0.00	0.00
15,200.0	90.00	179.55	11,145.0	-3,900.0	-287.7	3,907.9	0.00	0.00	0.00
15,300.0	90.00	179.55	11,145.0	-4,000.0	-286.9	4,007.8	0.00	0.00	0.00
15,400.0	90.00	179.55	11,145.0	-4,100.0	-286.1	4,107.7	0.00	0.00	0.00
15,500.0	90.00	179.55	11,145.0	-4,200.0	-285.3	4,207.6	0.00	0.00	0.00
15,600.0	90.00	179.55	11,145.0	-4,300.0	-284.5	4,307.5	0.00	0.00	0.00
15,700.0	90.00	179.55	11,145.0	-4,400.0	-283.7	4,407.4	0.00	0.00	0.00
15,800.0	90.00	179.55	11,145.0	-4,500.0	-282.9	4,507.3	0.00	0.00	0.00
15,900.0	90.00	179.55	11,145.0	-4,600.0	-282.1	4,607.2	0.00	0.00	0.00
16,000.0	90.00	179.55	11,145.0	-4,700.0	-281.4	4,707.1	0.00	0.00	0.00
16,100.0	90.00	179.55	11,145.0	-4,800.0	-280.6	4,807.0	0.00	0.00	0.00
16,200.0	90.00	179.55	11,145.0	-4,900.0	-279.8	4,906.9	0.00	0.00	0.00
16,300.0	90.00	179.55	11,145.0	-5,000.0	-279.0	5,006.8	0.00	0.00	0.00
16,400.0	90.00	179.55	11,145.0	-5,100.0	-278.2	5,106.7	0.00	0.00	0.00
16,500.0	90.00	179.55	11,145.0	-5,200.0	-277.4	5,206.6	0.00	0.00	0.00
16,600.0	90.00	179.55	11,145.0	-5,300.0	-276.6	5,306.5	0.00	0.00	0.00
16,700.0	90.00	179.55	11,145.0	-5,400.0	-275.8	5,406.4	0.00	0.00	0.00
16,800.0	90.00	179.55	11,145.0	-5,500.0	-275.1	5,506.3	0.00	0.00	0.00
16,900.0	90.00	179.55	11,145.0	-5,600.0	-274.3	5,606.2	0.00	0.00	0.00
17,000.0	90.00	179.55	11,145.0	-5,700.0	-273.5	5,706.1	0.00	0.00	0.00
17,100.0	90.00	179.55	11,145.0	-5,800.0	-272.7	5,806.0	0.00	0.00	0.00
17,200.0	90.00	179.55	11,145.0	-5,900.0	-271.9	5,905.9	0.00	0.00	0.00
17,300.0	90.00	179.55	11,145.0	-6,000.0	-271.1	6,005.8	0.00	0.00	0.00
17,400.0	90.00	179.55	11,145.0	-6,100.0	-270.3	6,105.7	0.00	0.00	0.00
17,500.0	90.00	179.55	11,145.0	-6,200.0	-269.5	6,205.7	0.00	0.00	0.00
17,600.0	90.00	179.55	11,145.0	-6,300.0	-268.7	6,305.6	0.00	0.00	0.00
17,700.0	90.00	179.55	11,145.0	-6,400.0	-268.0	6,405.5	0.00	0.00	0.00
17,800.0	90.00	179.55	11,145.0	-6,500.0	-267.2	6,505.4	0.00	0.00	0.00
17,900.0	90.00	179.55	11,145.0	-6,600.0	-266.4	6,605.3	0.00	0.00	0.00
18,000.0	90.00	179.55	11,145.0	-6,700.0	-265.6	6,705.2	0.00	0.00	0.00
18,100.0	90.00	179.55	11,145.0	-6,800.0	-264.8	6,805.1	0.00	0.00	0.00
18,200.0	90.00	179.55	11,145.0	-6,900.0	-264.0	6,905.0	0.00	0.00	0.00
18,300.0	90.00	179.55	11,145.0	-7,000.0	-263.2	7,004.9	0.00	0.00	0.00
18,400.0	90.00	179.55	11,145.0	-7,100.0	-262.4	7,104.8	0.00	0.00	0.00
18,500.0	90.00	179.55	11,145.0	-7,199.9	-261.7	7,204.7	0.00	0.00	0.00
18,583.1	90.00	179.55	11,145.0	-7,283.0	-261.0	7,287.7	0.00	0.00	0.00

PBHL(Bandit 29 St Com #504H)



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Bandit 29 State Com
 Well: #504H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #504H
 TVD Reference: KB = 25 @ 3558.0usft
 MD Reference: KB = 25 @ 3558.0usft
 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)
-----------------------	-----------------	-------------	-----------------------	--------------	--------------	-------------------------	-------------------------	------------------------	-----------------------

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
PBHL(Bandit 29 St Com - plan hits target center - Point	0.00	0.00	11,145.0	-7,283.0	-261.0	428,099.00	770,046.00	32° 10' 29.144 N	103° 35' 38.900 W
FTP(Bandit 29 St Com # - plan misses target center by 44.2usft at 11235.9usft MD (11104.6 TVD, 58.4 N, -317.0 E) - Point	0.00	0.00	11,145.0	76.0	-319.0	435,458.00	769,988.00	32° 11' 41.968 N	103° 35' 38.987 W