



Lea County, NM (NAD 83 NME)

Bandit 29 State Com

#503H

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: -0.39°
Magnetic North: 6.49°
Magnetic Field
Strength: 47847.6 nT
Dip Angle: 60.02°
Date: 3/21/2018
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: #503H

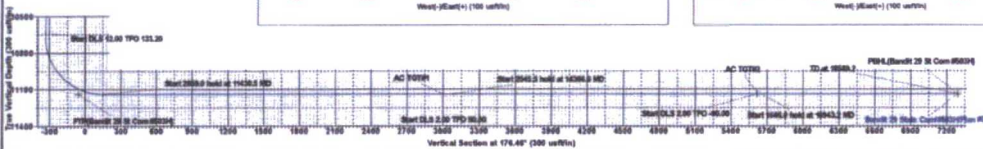
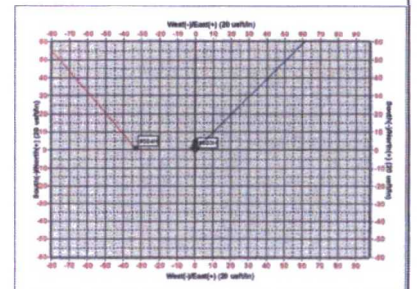
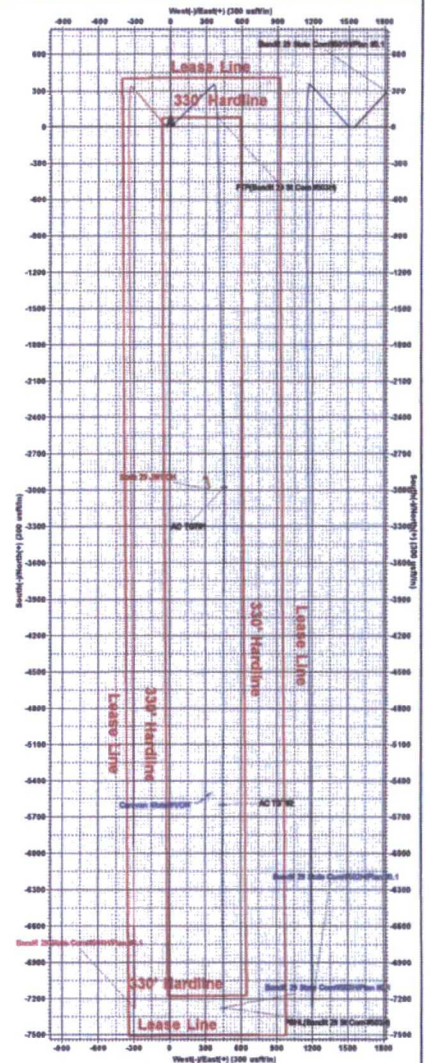
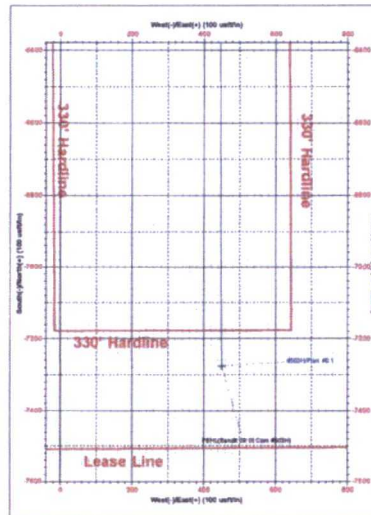
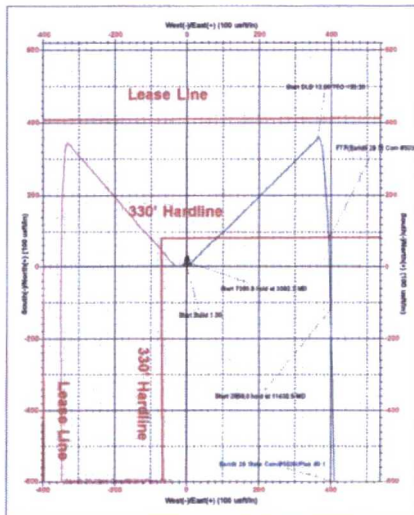
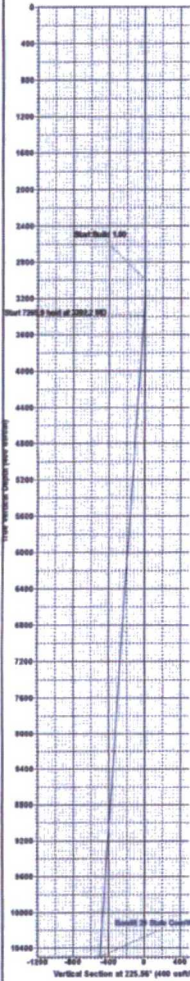
3532.0
KB = 25 @ 3067.0 East
Northing 436361.00 Easting 770340.00 32° 11' 41.182 N Longitude 103° 35' 34.897 W Slot

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	0.00	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	3392.2	3.92	45.56	3391.9	9.4	9.6	1.00	45.56	-8.8	
4	10658.1	3.92	45.56	10640.8	357.4	364.4	0.00	0.00	-334.2	
5	11430.5	90.00	178.82	11140.0	-119.0	399.1	12.00	133.20	143.4	AC TGT#1
6	14289.5	90.00	178.82	11140.0	-2977.4	458.0	0.00	0.00	3000.0	
7	14386.6	90.00	180.36	11140.0	-3054.5	458.6	2.00	90.00	3078.9	AC TGT#2
8	16912.1	90.00	180.36	11140.0	-5999.9	442.5	0.00	0.00	5616.5	
9	16943.2	90.00	179.74	11140.0	-5631.1	442.5	2.00	-90.00	5647.6	
10	18589.2	90.00	179.74	11140.0	-7277.0	450.0	0.00	0.00	7290.9	PBHL(Bandit 29 St Com #503H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
AC TGT#1	11140.0	-2977.4	458.0	432469.80	770798.00	Point
AC TGT#2	11140.0	-5999.9	442.5	432878.10	770782.50	Point
PTP(Bandit 29 St Com #503H)	11140.0	81.0	386.0	436462.00	770758.00	Point
PBHL(Bandit 29 St Com #503H)	11140.0	-7277.0	450.0	4329104.00	770790.00	Point



Scale: 1 inch = 100 feet
Datum: NAD 83
Units: Feet



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Bandit 29 State Com

#503H

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: #503H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 25 @ 3557.0usft
MD Reference: KB = 25 @ 3557.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Lea County, NM (NAD 83 NME)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level

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 #503H

Well Position +N/-S 6.0 usft Northing: 435,381.00 usft Latitude: 32° 11' 41.182 N
 +E/-W -1,544.0 usft Easting: 770,340.00 usft Longitude: 103° 35' 34.897 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** Ground Level: 3,532.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/21/2018	6.89	60.02	47,847.58839512

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	176.46

Plan Survey Tool Program Date 3/2/2018

Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,589.2 Plan #0.1 (OH)	MWD	
			OWSG MWD - Standard	



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Bandit 29 State Com
Well: #503H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 25 @ 3557.0usft
MD Reference: KB = 25 @ 3557.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	
3,392.2	3.92	45.56	3,391.9	9.4	9.6	1.00	1.00	0.00	45.56	
10,658.1	3.92	45.56	10,640.8	357.4	364.4	0.00	0.00	0.00	0.00	
11,430.5	90.00	178.82	11,140.0	-119.0	399.1	12.00	11.14	17.25	133.20	
14,289.5	90.00	178.82	11,140.0	-2,977.4	458.0	0.00	0.00	0.00	0.00	AC TGT#1
14,366.6	90.00	180.36	11,140.0	-3,054.5	458.6	2.00	0.00	2.00	90.00	
16,912.1	90.00	180.36	11,140.0	-5,599.9	442.5	0.00	0.00	0.00	0.00	AC TGT#2
16,943.2	90.00	179.74	11,140.0	-5,631.1	442.5	2.00	0.00	-2.00	-90.00	
18,589.2	90.00	179.74	11,140.0	-7,277.0	450.0	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 Corn
 Well: #503H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
 TVD Reference: KB = 25 @ 3557.0usft
 MD Reference: KB = 25 @ 3557.0usft
 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	45.56	3,100.0	0.6	0.6	-0.6	1.00	1.00	0.00
3,200.0	2.00	45.56	3,200.0	2.4	2.5	-2.3	1.00	1.00	0.00
3,300.0	3.00	45.56	3,299.9	5.5	5.6	-5.1	1.00	1.00	0.00
3,392.2	3.92	45.56	3,391.9	9.4	9.6	-8.8	1.00	1.00	0.00
3,400.0	3.92	45.56	3,399.7	9.8	10.0	-9.1	0.00	0.00	0.00
3,500.0	3.92	45.56	3,499.4	14.6	14.8	-13.6	0.00	0.00	0.00
3,600.0	3.92	45.56	3,599.2	19.3	19.7	-18.1	0.00	0.00	0.00
3,700.0	3.92	45.56	3,699.0	24.1	24.6	-22.6	0.00	0.00	0.00
3,800.0	3.92	45.56	3,798.7	28.9	29.5	-27.0	0.00	0.00	0.00
3,900.0	3.92	45.56	3,898.5	33.7	34.4	-31.5	0.00	0.00	0.00
4,000.0	3.92	45.56	3,998.3	38.5	39.3	-36.0	0.00	0.00	0.00
4,100.0	3.92	45.56	4,098.0	43.3	44.1	-40.5	0.00	0.00	0.00
4,200.0	3.92	45.56	4,197.8	48.1	49.0	-45.0	0.00	0.00	0.00
4,300.0	3.92	45.56	4,297.6	52.9	53.9	-49.4	0.00	0.00	0.00
4,400.0	3.92	45.56	4,397.3	57.7	58.8	-53.9	0.00	0.00	0.00
4,500.0	3.92	45.56	4,497.1	62.4	63.7	-58.4	0.00	0.00	0.00
4,600.0	3.92	45.56	4,596.9	67.2	68.6	-62.9	0.00	0.00	0.00
4,700.0	3.92	45.56	4,696.6	72.0	73.4	-67.4	0.00	0.00	0.00
4,800.0	3.92	45.56	4,796.4	76.8	78.3	-71.8	0.00	0.00	0.00
4,900.0	3.92	45.56	4,896.2	81.6	83.2	-76.3	0.00	0.00	0.00
5,000.0	3.92	45.56	4,995.9	86.4	88.1	-80.8	0.00	0.00	0.00
5,100.0	3.92	45.56	5,095.7	91.2	93.0	-85.3	0.00	0.00	0.00
5,200.0	3.92	45.56	5,195.5	96.0	97.9	-89.7	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: #503H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
 TVD Reference: KB = 25 @ 3557.0usft
 MD Reference: KB = 25 @ 3557.0usft
 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	3.92	45.56	5,295.2	100.8	102.7	-94.2	0.00	0.00	0.00
5,400.0	3.92	45.56	5,395.0	105.5	107.6	-98.7	0.00	0.00	0.00
5,500.0	3.92	45.56	5,494.8	110.3	112.5	-103.2	0.00	0.00	0.00
5,600.0	3.92	45.56	5,594.5	115.1	117.4	-107.7	0.00	0.00	0.00
5,700.0	3.92	45.56	5,694.3	119.9	122.3	-112.1	0.00	0.00	0.00
5,800.0	3.92	45.56	5,794.1	124.7	127.2	-116.6	0.00	0.00	0.00
5,900.0	3.92	45.56	5,893.8	129.5	132.0	-121.1	0.00	0.00	0.00
6,000.0	3.92	45.56	5,993.6	134.3	136.9	-125.6	0.00	0.00	0.00
6,100.0	3.92	45.56	6,093.4	139.1	141.8	-130.1	0.00	0.00	0.00
6,200.0	3.92	45.56	6,193.1	143.9	146.7	-134.5	0.00	0.00	0.00
6,300.0	3.92	45.56	6,292.9	148.6	151.6	-139.0	0.00	0.00	0.00
6,400.0	3.92	45.56	6,392.7	153.4	156.5	-143.5	0.00	0.00	0.00
6,500.0	3.92	45.56	6,492.4	158.2	161.3	-148.0	0.00	0.00	0.00
6,600.0	3.92	45.56	6,592.2	163.0	166.2	-152.4	0.00	0.00	0.00
6,700.0	3.92	45.56	6,691.9	167.8	171.1	-156.9	0.00	0.00	0.00
6,800.0	3.92	45.56	6,791.7	172.6	176.0	-161.4	0.00	0.00	0.00
6,900.0	3.92	45.56	6,891.5	177.4	180.9	-165.9	0.00	0.00	0.00
7,000.0	3.92	45.56	6,991.2	182.2	185.8	-170.4	0.00	0.00	0.00
7,100.0	3.92	45.56	7,091.0	187.0	190.6	-174.8	0.00	0.00	0.00
7,200.0	3.92	45.56	7,190.8	191.7	195.5	-179.3	0.00	0.00	0.00
7,300.0	3.92	45.56	7,290.5	196.5	200.4	-183.8	0.00	0.00	0.00
7,400.0	3.92	45.56	7,390.3	201.3	205.3	-188.3	0.00	0.00	0.00
7,500.0	3.92	45.56	7,490.1	206.1	210.2	-192.8	0.00	0.00	0.00
7,600.0	3.92	45.56	7,589.8	210.9	215.0	-197.2	0.00	0.00	0.00
7,700.0	3.92	45.56	7,689.6	215.7	219.9	-201.7	0.00	0.00	0.00
7,800.0	3.92	45.56	7,789.4	220.5	224.8	-206.2	0.00	0.00	0.00
7,900.0	3.92	45.56	7,889.1	225.3	229.7	-210.7	0.00	0.00	0.00
8,000.0	3.92	45.56	7,988.9	230.1	234.6	-215.1	0.00	0.00	0.00
8,100.0	3.92	45.56	8,088.7	234.9	239.5	-219.6	0.00	0.00	0.00
8,200.0	3.92	45.56	8,188.4	239.6	244.3	-224.1	0.00	0.00	0.00
8,300.0	3.92	45.56	8,288.2	244.4	249.2	-228.6	0.00	0.00	0.00
8,400.0	3.92	45.56	8,388.0	249.2	254.1	-233.1	0.00	0.00	0.00
8,500.0	3.92	45.56	8,487.7	254.0	259.0	-237.5	0.00	0.00	0.00
8,600.0	3.92	45.56	8,587.5	258.8	263.9	-242.0	0.00	0.00	0.00
8,700.0	3.92	45.56	8,687.3	263.6	268.8	-246.5	0.00	0.00	0.00
8,800.0	3.92	45.56	8,787.0	268.4	273.6	-251.0	0.00	0.00	0.00
8,900.0	3.92	45.56	8,886.8	273.2	278.5	-255.5	0.00	0.00	0.00
9,000.0	3.92	45.56	8,986.6	278.0	283.4	-259.9	0.00	0.00	0.00
9,100.0	3.92	45.56	9,086.3	282.7	288.3	-264.4	0.00	0.00	0.00
9,200.0	3.92	45.56	9,186.1	287.5	293.2	-268.9	0.00	0.00	0.00
9,300.0	3.92	45.56	9,285.9	292.3	298.1	-273.4	0.00	0.00	0.00
9,400.0	3.92	45.56	9,385.6	297.1	302.9	-277.8	0.00	0.00	0.00
9,500.0	3.92	45.56	9,485.4	301.9	307.8	-282.3	0.00	0.00	0.00
9,600.0	3.92	45.56	9,585.2	306.7	312.7	-286.8	0.00	0.00	0.00
9,700.0	3.92	45.56	9,684.9	311.5	317.6	-291.3	0.00	0.00	0.00
9,800.0	3.92	45.56	9,784.7	316.3	322.5	-295.8	0.00	0.00	0.00
9,900.0	3.92	45.56	9,884.5	321.1	327.4	-300.2	0.00	0.00	0.00
10,000.0	3.92	45.56	9,984.2	325.8	332.2	-304.7	0.00	0.00	0.00
10,100.0	3.92	45.56	10,084.0	330.6	337.1	-309.2	0.00	0.00	0.00
10,200.0	3.92	45.56	10,183.8	335.4	342.0	-313.7	0.00	0.00	0.00
10,300.0	3.92	45.56	10,283.5	340.2	346.9	-318.1	0.00	0.00	0.00
10,400.0	3.92	45.56	10,383.3	345.0	351.8	-322.6	0.00	0.00	0.00
10,500.0	3.92	45.56	10,483.0	349.8	356.7	-327.1	0.00	0.00	0.00
10,600.0	3.92	45.56	10,582.8	354.6	361.5	-331.6	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Bandit 29 State Com
Well: #503H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well #503H
KB = 25 @ 3557.0usft
KB = 25 @ 3557.0usft
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)
10,658.1	3.92	45.56	10,640.8	357.4	364.4	-334.2	0.00	0.00	0.00
10,675.0	2.93	75.84	10,657.7	357.9	365.2	-334.6	12.00	-5.85	179.17
10,700.0	3.69	128.18	10,682.6	357.5	366.5	-334.2	12.00	3.05	209.33
10,725.0	6.06	150.75	10,707.5	355.9	367.7	-332.5	12.00	9.45	90.30
10,750.0	8.81	160.04	10,732.3	352.9	369.0	-329.5	12.00	11.03	37.16
10,775.0	11.69	164.86	10,756.9	348.7	370.4	-325.2	12.00	11.51	19.28
10,800.0	14.62	167.78	10,781.3	343.1	371.7	-319.6	12.00	11.70	11.70
10,825.0	17.57	169.75	10,805.3	336.4	373.0	-312.7	12.00	11.80	7.85
10,850.0	20.53	171.16	10,828.9	328.3	374.4	-304.6	12.00	11.86	5.65
10,875.0	23.51	172.23	10,852.1	319.0	375.7	-295.2	12.00	11.89	4.28
10,900.0	26.49	173.07	10,874.7	308.6	377.1	-284.7	12.00	11.92	3.36
10,925.0	29.47	173.75	10,896.8	296.9	378.4	-273.0	12.00	11.93	2.73
10,950.0	32.45	174.32	10,918.2	284.1	379.7	-260.1	12.00	11.94	2.27
10,975.0	35.44	174.80	10,939.0	270.2	381.1	-246.2	12.00	11.95	1.92
11,000.0	38.43	175.21	10,959.0	255.3	382.4	-231.2	12.00	11.96	1.66
11,025.0	41.42	175.58	10,978.1	239.3	383.7	-215.1	12.00	11.96	1.45
11,050.0	44.41	175.90	10,996.4	222.3	384.9	-198.1	12.00	11.97	1.29
11,075.0	47.41	176.19	11,013.8	204.4	386.2	-180.2	12.00	11.97	1.16
11,100.0	50.40	176.45	11,030.3	185.6	387.4	-161.3	12.00	11.97	1.05
11,125.0	53.39	176.69	11,045.7	165.9	388.5	-141.6	12.00	11.98	0.97
11,150.0	56.39	176.92	11,060.1	145.5	389.7	-121.2	12.00	11.98	0.89
11,175.0	59.38	177.13	11,073.3	124.4	390.8	-100.0	12.00	11.98	0.83
11,200.0	62.38	177.32	11,085.5	102.6	391.8	-78.2	12.00	11.98	0.78
11,225.0	65.37	177.51	11,096.5	80.1	392.8	-55.7	12.00	11.98	0.74
11,241.4	67.34	177.63	11,103.1	65.2	393.5	-40.7	12.00	11.98	0.71
FTP(Bandit 29 St Com #503H)									
11,250.0	68.37	177.69	11,106.3	57.2	393.8	-32.8	12.00	11.98	0.70
11,275.0	71.37	177.86	11,114.9	33.7	394.7	-9.3	12.00	11.98	0.68
11,300.0	74.36	178.02	11,122.3	9.9	395.6	14.6	12.00	11.98	0.66
11,325.0	77.36	178.18	11,128.4	-14.4	396.4	38.8	12.00	11.98	0.64
11,350.0	80.35	178.33	11,133.2	-38.9	397.1	63.3	12.00	11.98	0.62
11,375.0	83.35	178.49	11,136.8	-63.6	397.8	88.1	12.00	11.98	0.61
11,400.0	86.35	178.64	11,139.0	-88.5	398.4	112.9	12.00	11.98	0.60
11,425.0	89.34	178.79	11,140.0	-113.5	399.0	137.9	12.00	11.99	0.60
11,430.5	90.00	178.82	11,140.0	-119.0	399.1	143.4	12.00	11.99	0.60
11,500.0	90.00	178.82	11,140.0	-188.5	400.6	212.8	0.00	0.00	0.00
11,600.0	90.00	178.82	11,140.0	-288.4	402.6	312.7	0.00	0.00	0.00
11,700.0	90.00	178.82	11,140.0	-388.4	404.7	412.7	0.00	0.00	0.00
11,800.0	90.00	178.82	11,140.0	-488.4	406.7	512.6	0.00	0.00	0.00
11,900.0	90.00	178.82	11,140.0	-588.4	408.8	612.5	0.00	0.00	0.00
12,000.0	90.00	178.82	11,140.0	-688.4	410.8	712.4	0.00	0.00	0.00
12,100.0	90.00	178.82	11,140.0	-788.3	412.9	812.3	0.00	0.00	0.00
12,200.0	90.00	178.82	11,140.0	-888.3	415.0	912.2	0.00	0.00	0.00
12,300.0	90.00	178.82	11,140.0	-988.3	417.0	1,012.2	0.00	0.00	0.00
12,400.0	90.00	178.82	11,140.0	-1,088.3	419.1	1,112.1	0.00	0.00	0.00
12,500.0	90.00	178.82	11,140.0	-1,188.3	421.1	1,212.0	0.00	0.00	0.00
12,600.0	90.00	178.82	11,140.0	-1,288.2	423.2	1,311.9	0.00	0.00	0.00
12,700.0	90.00	178.82	11,140.0	-1,388.2	425.3	1,411.8	0.00	0.00	0.00
12,800.0	90.00	178.82	11,140.0	-1,488.2	427.3	1,511.7	0.00	0.00	0.00
12,900.0	90.00	178.82	11,140.0	-1,588.2	429.4	1,611.6	0.00	0.00	0.00
13,000.0	90.00	178.82	11,140.0	-1,688.1	431.4	1,711.6	0.00	0.00	0.00
13,100.0	90.00	178.82	11,140.0	-1,788.1	433.5	1,811.5	0.00	0.00	0.00
13,200.0	90.00	178.82	11,140.0	-1,888.1	435.6	1,911.4	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: #503H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
 TVD Reference: KB = 25 @ 3557.0usft
 MD Reference: KB = 25 @ 3557.0usft
 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	178.82	11,140.0	-1,988.1	437.6	2,011.3	0.00	0.00	0.00
13,400.0	90.00	178.82	11,140.0	-2,088.1	439.7	2,111.2	0.00	0.00	0.00
13,500.0	90.00	178.82	11,140.0	-2,188.0	441.7	2,211.1	0.00	0.00	0.00
13,600.0	90.00	178.82	11,140.0	-2,288.0	443.8	2,311.1	0.00	0.00	0.00
13,700.0	90.00	178.82	11,140.0	-2,388.0	445.9	2,411.0	0.00	0.00	0.00
13,800.0	90.00	178.82	11,140.0	-2,488.0	447.9	2,510.9	0.00	0.00	0.00
13,900.0	90.00	178.82	11,140.0	-2,588.0	450.0	2,610.8	0.00	0.00	0.00
14,000.0	90.00	178.82	11,140.0	-2,687.9	452.0	2,710.7	0.00	0.00	0.00
14,100.0	90.00	178.82	11,140.0	-2,787.9	454.1	2,810.6	0.00	0.00	0.00
14,200.0	90.00	178.82	11,140.0	-2,887.9	456.2	2,910.5	0.00	0.00	0.00
14,289.5	90.00	178.82	11,140.0	-2,977.4	458.0	3,000.0	0.00	0.00	0.00
AC TGT#1									
14,300.0	90.00	179.03	11,140.0	-2,987.9	458.2	3,010.5	2.00	0.00	2.00
14,366.6	90.00	180.36	11,140.0	-3,054.5	458.6	3,076.9	2.00	0.00	2.00
14,400.0	90.00	180.36	11,140.0	-3,087.9	458.3	3,110.3	0.00	0.00	0.00
14,500.0	90.00	180.36	11,140.0	-3,187.9	457.7	3,210.0	0.00	0.00	0.00
14,600.0	90.00	180.36	11,140.0	-3,287.9	457.1	3,309.8	0.00	0.00	0.00
14,700.0	90.00	180.36	11,140.0	-3,387.9	456.4	3,409.6	0.00	0.00	0.00
14,800.0	90.00	180.36	11,140.0	-3,487.9	455.8	3,509.3	0.00	0.00	0.00
14,900.0	90.00	180.36	11,140.0	-3,587.9	455.2	3,609.1	0.00	0.00	0.00
15,000.0	90.00	180.36	11,140.0	-3,687.9	454.6	3,708.9	0.00	0.00	0.00
15,100.0	90.00	180.36	11,140.0	-3,787.9	453.9	3,808.7	0.00	0.00	0.00
15,200.0	90.00	180.36	11,140.0	-3,887.9	453.3	3,908.4	0.00	0.00	0.00
15,300.0	90.00	180.36	11,140.0	-3,987.9	452.7	4,008.2	0.00	0.00	0.00
15,400.0	90.00	180.36	11,140.0	-4,087.9	452.0	4,108.0	0.00	0.00	0.00
15,500.0	90.00	180.36	11,140.0	-4,187.8	451.4	4,207.7	0.00	0.00	0.00
15,600.0	90.00	180.36	11,140.0	-4,287.8	450.8	4,307.5	0.00	0.00	0.00
15,700.0	90.00	180.36	11,140.0	-4,387.8	450.1	4,407.3	0.00	0.00	0.00
15,800.0	90.00	180.36	11,140.0	-4,487.8	449.5	4,507.0	0.00	0.00	0.00
15,900.0	90.00	180.36	11,140.0	-4,587.8	448.9	4,606.8	0.00	0.00	0.00
16,000.0	90.00	180.36	11,140.0	-4,687.8	448.3	4,706.6	0.00	0.00	0.00
16,100.0	90.00	180.36	11,140.0	-4,787.8	447.6	4,806.3	0.00	0.00	0.00
16,200.0	90.00	180.36	11,140.0	-4,887.8	447.0	4,906.1	0.00	0.00	0.00
16,300.0	90.00	180.36	11,140.0	-4,987.8	446.4	5,005.9	0.00	0.00	0.00
16,400.0	90.00	180.36	11,140.0	-5,087.8	445.7	5,105.6	0.00	0.00	0.00
16,500.0	90.00	180.36	11,140.0	-5,187.8	445.1	5,205.4	0.00	0.00	0.00
16,600.0	90.00	180.36	11,140.0	-5,287.8	444.5	5,305.2	0.00	0.00	0.00
16,700.0	90.00	180.36	11,140.0	-5,387.8	443.8	5,404.9	0.00	0.00	0.00
16,800.0	90.00	180.36	11,140.0	-5,487.8	443.2	5,504.7	0.00	0.00	0.00
16,900.0	90.00	180.36	11,140.0	-5,587.8	442.6	5,604.5	0.00	0.00	0.00
16,912.1	90.00	180.36	11,140.0	-5,599.9	442.5	5,616.5	0.00	0.00	0.00
AC TGT#2									
16,943.2	90.00	179.74	11,140.0	-5,631.1	442.5	5,647.6	2.00	0.00	-2.00
17,000.0	90.00	179.74	11,140.0	-5,687.8	442.7	5,704.3	0.00	0.00	0.00
17,100.0	90.00	179.74	11,140.0	-5,787.8	443.2	5,804.1	0.00	0.00	0.00
17,200.0	90.00	179.74	11,140.0	-5,887.8	443.6	5,904.0	0.00	0.00	0.00
17,300.0	90.00	179.74	11,140.0	-5,987.8	444.1	6,003.8	0.00	0.00	0.00
17,400.0	90.00	179.74	11,140.0	-6,087.8	444.6	6,103.6	0.00	0.00	0.00
17,500.0	90.00	179.74	11,140.0	-6,187.8	445.0	6,203.5	0.00	0.00	0.00
17,600.0	90.00	179.74	11,140.0	-6,287.8	445.5	6,303.3	0.00	0.00	0.00
17,700.0	90.00	179.74	11,140.0	-6,387.8	445.9	6,403.2	0.00	0.00	0.00
17,800.0	90.00	179.74	11,140.0	-6,487.8	446.4	6,503.0	0.00	0.00	0.00
17,900.0	90.00	179.74	11,140.0	-6,587.8	446.8	6,602.8	0.00	0.00	0.00
18,000.0	90.00	179.74	11,140.0	-6,687.8	447.3	6,702.7	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: #503H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 25 @ 3557.0usft
MD Reference: KB = 25 @ 3557.0usft
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)
18,100.0	90.00	179.74	11,140.0	-6,787.8	447.8	6,802.5	0.00	0.00	0.00
18,200.0	90.00	179.74	11,140.0	-6,887.8	448.2	6,902.3	0.00	0.00	0.00
18,300.0	90.00	179.74	11,140.0	-6,987.8	448.7	7,002.2	0.00	0.00	0.00
18,400.0	90.00	179.74	11,140.0	-7,087.8	449.1	7,102.0	0.00	0.00	0.00
18,500.0	90.00	179.74	11,140.0	-7,187.8	449.6	7,201.8	0.00	0.00	0.00
18,589.2	90.00	179.74	11,140.0	-7,277.0	450.0	7,290.9	0.00	0.00	0.00

PBHL(Bandit 29 St Com #503H)

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	11,140.0	-7,277.0	450.0	428,104.00	770,790.00	32° 10' 29.143 N	103° 35' 30.244 W
AC TGT#2 - plan hits target center - Point	0.00	0.00	11,140.0	-5,599.9	442.5	429,781.10	770,782.50	32° 10' 45.739 N	103° 35' 30.197 W
FTP(Bandit 29 St Com # - plan misses target center by 40.2usft at 11241.4usft MD (11103.1 TVD, 65.2 N, 393.5 E) - Point	0.00	0.00	11,140.0	81.0	395.0	435,462.00	770,735.00	32° 11' 41.956 N	103° 35' 30.294 W
AC TGT#1 - plan hits target center - Point	0.00	0.00	11,140.0	-2,977.4	458.0	432,403.60	770,798.00	32° 11' 11.688 N	103° 35' 29.806 W