



Lea County, NM (NAD 83 NME)

Bandit 29 State Com

#507H

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



Azimuth to Grid North
True North: -0.38°
Magnetic North: 6.66°

Magnetic Field
Strength: 47809.8 nT
Dip Angle: 60.02°
Date: 7/3/2018
Model: IGRF2016

To convert a Magnetic Direction to a Grid Direction, Add 6.46°
To convert a Magnetic Direction to a True Direction, Add 6.85° East
To convert a True Direction to a Grid Direction, Subtract 0.38°

WELL DETAILS: #507H

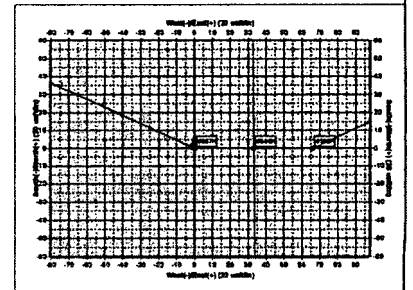
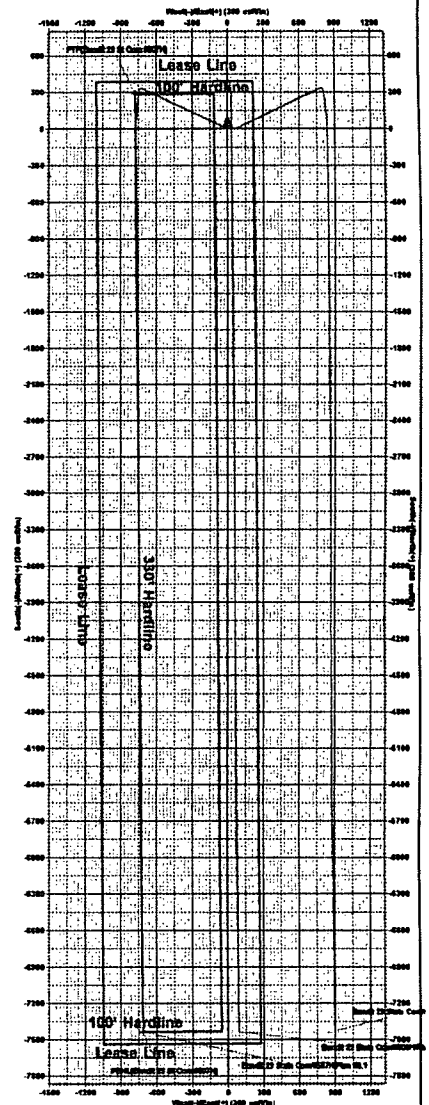
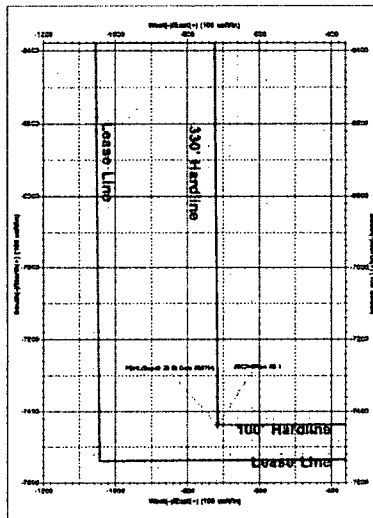
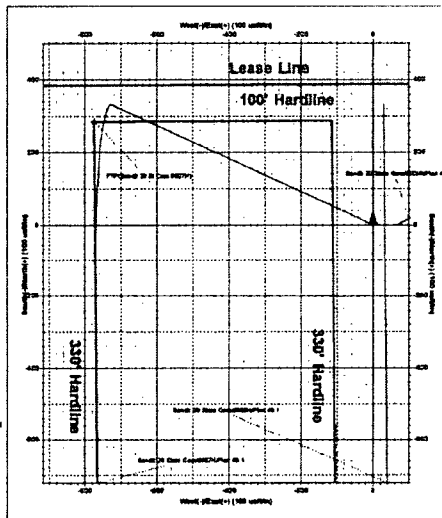
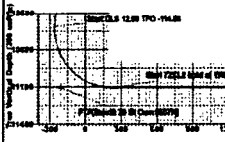
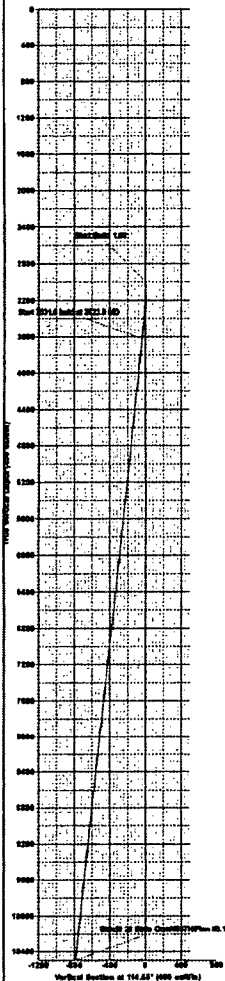
3538.0
KB = 25 @ 2504.00ft
+N-S +E-W Northing Easting Longitude Elevation
0.0 0.0 435395.00 768400.00 32° 11' 41.452 N 103° 35' 57.471 W 5101

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	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3623.3	8.23	294.55	3622.0	14.1	-30.8	1.00	294.55	-11.1	
4	10654.9	8.23	294.55	10612.1	331.3	-725.2	0.00	0.00	-250.4	
5	11426.8	90.00	179.56	11109.0	-146.0	-770.7	12.00	-114.86	219.1	
6	18720.0	90.00	179.56	11109.0	-7439.0	-715.0	0.00	0.00	7473.3	PBHL(Bandit 29 St Com #507H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
FTP(Bandit 29 St Com #507H)	11109.0	294.0	-774.0	435479.00	767826.00	Point
PBHL(Bandit 29 St Com #507H)	11109.0	-7439.0	-715.0	427966.00	767886.00	Point



Scale: 1 inch = 100 feet
Elevation: 5101 feet



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Bandit 29 State Com

#507H

OH

Plan: Plan #0.1

Standard Planning Report

03 July, 2018



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Bandit 29 State Com
Well: #507H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #507H
TVD Reference: KB = 25 @ 3564.0usft
MD Reference: KB = 25 @ 3564.0usft
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	#507H					
Well Position	+N/-S	20.0 usft	Northing:	435,395.00 usft	Latitude:	32° 11' 41.452 N
	+E/-W	-3,484.0 usft	Easting:	768,400.00 usft	Longitude:	103° 35' 57.471 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,539.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/3/2018	6.85	60.02	47,809.75258883

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	185.49

Plan Survey Tool Program	Date 7/3/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1 0.0	18,720.0	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	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,623.3	6.23	294.55	3,622.0	14.1	-30.8	1.00	1.00	0.00	294.55	
10,654.9	6.23	294.55	10,612.1	331.3	-725.2	0.00	0.00	0.00	0.00	
11,426.8	90.00	179.56	11,109.0	-146.0	-770.7	12.00	10.85	-14.90	-114.86	
18,720.0	90.00	179.56	11,109.0	-7,439.0	-715.0	0.00	0.00	0.00	0.00	PBHL(Bandit 29 St Cr



Planning Report

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Local Co-ordinate Reference: Well #507H
 TVD Reference: KB = 25 @ 3564.0usft
 MD Reference: KB = 25 @ 3564.0usft
 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	294.55	3,100.0	0.4	-0.8	-0.3	1.00	1.00	0.00
3,200.0	2.00	294.55	3,200.0	1.5	-3.2	-1.1	1.00	1.00	0.00
3,300.0	3.00	294.55	3,299.9	3.3	-7.1	-2.6	1.00	1.00	0.00
3,400.0	4.00	294.55	3,399.7	5.8	-12.7	-4.6	1.00	1.00	0.00
3,500.0	5.00	294.55	3,499.4	9.1	-19.8	-7.1	1.00	1.00	0.00
3,600.0	6.00	294.55	3,598.9	13.0	-28.5	-10.3	1.00	1.00	0.00
3,623.3	6.23	294.55	3,622.0	14.1	-30.8	-11.1	1.00	1.00	0.00
3,700.0	6.23	294.55	3,698.3	17.5	-38.4	-13.8	0.00	0.00	0.00
3,800.0	6.23	294.55	3,797.7	22.0	-48.3	-17.3	0.00	0.00	0.00
3,900.0	6.23	294.55	3,897.1	26.6	-58.1	-20.9	0.00	0.00	0.00
4,000.0	6.23	294.55	3,996.5	31.1	-68.0	-24.4	0.00	0.00	0.00
4,100.0	6.23	294.55	4,096.0	35.6	-77.9	-28.0	0.00	0.00	0.00
4,200.0	6.23	294.55	4,195.4	40.1	-87.8	-31.5	0.00	0.00	0.00
4,300.0	6.23	294.55	4,294.8	44.6	-97.6	-35.1	0.00	0.00	0.00
4,400.0	6.23	294.55	4,394.2	49.1	-107.5	-38.6	0.00	0.00	0.00
4,500.0	6.23	294.55	4,493.6	53.6	-117.4	-42.2	0.00	0.00	0.00
4,600.0	6.23	294.55	4,593.0	58.1	-127.3	-45.7	0.00	0.00	0.00
4,700.0	6.23	294.55	4,692.4	62.7	-137.1	-49.2	0.00	0.00	0.00
4,800.0	6.23	294.55	4,791.8	67.2	-147.0	-52.8	0.00	0.00	0.00
4,900.0	6.23	294.55	4,891.2	71.7	-156.9	-56.3	0.00	0.00	0.00
5,000.0	6.23	294.55	4,990.6	76.2	-166.8	-59.9	0.00	0.00	0.00
5,100.0	6.23	294.55	5,090.0	80.7	-176.6	-63.4	0.00	0.00	0.00
5,200.0	6.23	294.55	5,189.5	85.2	-186.5	-67.0	0.00	0.00	0.00



Planning Report

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 Wellbore: OH
 Design: Plan #0.1

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 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	6.23	294.55	5,288.9	89.7	-196.4	-70.5	0.00	0.00	0.00
5,400.0	6.23	294.55	5,388.3	94.2	-206.3	-74.1	0.00	0.00	0.00
5,500.0	6.23	294.55	5,487.7	98.7	-216.1	-77.6	0.00	0.00	0.00
5,600.0	6.23	294.55	5,587.1	103.3	-226.0	-81.2	0.00	0.00	0.00
5,700.0	6.23	294.55	5,686.5	107.8	-235.9	-84.7	0.00	0.00	0.00
5,800.0	6.23	294.55	5,785.9	112.3	-245.8	-88.3	0.00	0.00	0.00
5,900.0	6.23	294.55	5,885.3	116.8	-255.6	-91.8	0.00	0.00	0.00
6,000.0	6.23	294.55	5,984.7	121.3	-265.5	-95.3	0.00	0.00	0.00
6,100.0	6.23	294.55	6,084.1	125.8	-275.4	-98.9	0.00	0.00	0.00
6,200.0	6.23	294.55	6,183.5	130.3	-285.3	-102.4	0.00	0.00	0.00
6,300.0	6.23	294.55	6,282.9	134.8	-295.1	-106.0	0.00	0.00	0.00
6,400.0	6.23	294.55	6,382.4	139.3	-305.0	-109.5	0.00	0.00	0.00
6,500.0	6.23	294.55	6,481.8	143.9	-314.9	-113.1	0.00	0.00	0.00
6,600.0	6.23	294.55	6,581.2	148.4	-324.8	-116.6	0.00	0.00	0.00
6,700.0	6.23	294.55	6,680.6	152.9	-334.6	-120.2	0.00	0.00	0.00
6,800.0	6.23	294.55	6,780.0	157.4	-344.5	-123.7	0.00	0.00	0.00
6,900.0	6.23	294.55	6,879.4	161.9	-354.4	-127.3	0.00	0.00	0.00
7,000.0	6.23	294.55	6,978.8	166.4	-364.3	-130.8	0.00	0.00	0.00
7,100.0	6.23	294.55	7,078.2	170.9	-374.1	-134.4	0.00	0.00	0.00
7,200.0	6.23	294.55	7,177.6	175.4	-384.0	-137.9	0.00	0.00	0.00
7,300.0	6.23	294.55	7,277.0	180.0	-393.9	-141.4	0.00	0.00	0.00
7,400.0	6.23	294.55	7,376.4	184.5	-403.8	-145.0	0.00	0.00	0.00
7,500.0	6.23	294.55	7,475.9	189.0	-413.6	-148.5	0.00	0.00	0.00
7,600.0	6.23	294.55	7,575.3	193.5	-423.5	-152.1	0.00	0.00	0.00
7,700.0	6.23	294.55	7,674.7	198.0	-433.4	-155.6	0.00	0.00	0.00
7,800.0	6.23	294.55	7,774.1	202.5	-443.3	-159.2	0.00	0.00	0.00
7,900.0	6.23	294.55	7,873.5	207.0	-453.1	-162.7	0.00	0.00	0.00
8,000.0	6.23	294.55	7,972.9	211.5	-463.0	-166.3	0.00	0.00	0.00
8,100.0	6.23	294.55	8,072.3	216.0	-472.9	-169.8	0.00	0.00	0.00
8,200.0	6.23	294.55	8,171.7	220.6	-482.8	-173.4	0.00	0.00	0.00
8,300.0	6.23	294.55	8,271.1	225.1	-492.6	-176.9	0.00	0.00	0.00
8,400.0	6.23	294.55	8,370.5	229.6	-502.5	-180.5	0.00	0.00	0.00
8,500.0	6.23	294.55	8,469.9	234.1	-512.4	-184.0	0.00	0.00	0.00
8,600.0	6.23	294.55	8,569.4	238.6	-522.3	-187.5	0.00	0.00	0.00
8,700.0	6.23	294.55	8,668.8	243.1	-532.1	-191.1	0.00	0.00	0.00
8,800.0	6.23	294.55	8,768.2	247.6	-542.0	-194.6	0.00	0.00	0.00
8,900.0	6.23	294.55	8,867.6	252.1	-551.9	-198.2	0.00	0.00	0.00
9,000.0	6.23	294.55	8,967.0	256.7	-561.8	-201.7	0.00	0.00	0.00
9,100.0	6.23	294.55	9,066.4	261.2	-571.6	-205.3	0.00	0.00	0.00
9,200.0	6.23	294.55	9,165.8	265.7	-581.5	-208.8	0.00	0.00	0.00
9,300.0	6.23	294.55	9,265.2	270.2	-591.4	-212.4	0.00	0.00	0.00
9,400.0	6.23	294.55	9,364.6	274.7	-601.3	-215.9	0.00	0.00	0.00
9,500.0	6.23	294.55	9,464.0	279.2	-611.1	-219.5	0.00	0.00	0.00
9,600.0	6.23	294.55	9,563.4	283.7	-621.0	-223.0	0.00	0.00	0.00
9,700.0	6.23	294.55	9,662.9	288.2	-630.9	-226.6	0.00	0.00	0.00
9,800.0	6.23	294.55	9,762.3	292.7	-640.8	-230.1	0.00	0.00	0.00
9,900.0	6.23	294.55	9,861.7	297.3	-650.6	-233.6	0.00	0.00	0.00
10,000.0	6.23	294.55	9,961.1	301.8	-660.5	-237.2	0.00	0.00	0.00
10,100.0	6.23	294.55	10,060.5	306.3	-670.4	-240.7	0.00	0.00	0.00
10,200.0	6.23	294.55	10,159.9	310.8	-680.3	-244.3	0.00	0.00	0.00
10,300.0	6.23	294.55	10,259.3	315.3	-690.1	-247.8	0.00	0.00	0.00
10,400.0	6.23	294.55	10,358.7	319.8	-700.0	-251.4	0.00	0.00	0.00
10,500.0	6.23	294.55	10,458.1	324.3	-709.9	-254.9	0.00	0.00	0.00
10,600.0	6.23	294.55	10,557.5	328.8	-719.8	-258.5	0.00	0.00	0.00



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10,654.9	6.23	294.55	10,612.1	331.3	-725.2	-260.4	0.00	0.00	0.00
10,675.0	5.66	271.71	10,632.1	331.8	-727.2	-260.7	12.00	-2.86	-113.40
10,700.0	6.30	243.25	10,657.0	331.2	-729.6	-259.9	12.00	2.58	-113.83
10,725.0	8.08	223.74	10,681.8	329.3	-732.1	-257.8	12.00	7.13	-78.05
10,750.0	10.44	212.07	10,706.5	326.1	-734.5	-254.4	12.00	9.41	-46.70
10,775.0	13.06	204.83	10,730.9	321.7	-736.9	-249.7	12.00	10.48	-28.95
10,800.0	15.81	200.02	10,755.1	315.9	-739.2	-243.7	12.00	11.01	-19.22
10,825.0	18.64	196.63	10,779.0	308.9	-741.5	-236.5	12.00	11.31	-13.58
10,850.0	21.51	194.11	10,802.5	300.6	-743.8	-228.0	12.00	11.49	-10.09
10,875.0	24.41	192.16	10,825.5	291.1	-746.0	-218.4	12.00	11.61	-7.80
10,900.0	27.34	190.60	10,848.0	280.4	-748.1	-207.5	12.00	11.69	-6.23
10,925.0	30.27	189.33	10,869.9	268.5	-750.2	-195.5	12.00	11.75	-5.10
10,950.0	33.22	188.26	10,891.2	255.5	-752.2	-182.4	12.00	11.79	-4.28
10,975.0	36.17	187.34	10,911.7	241.4	-754.1	-168.2	12.00	11.82	-3.65
11,000.0	39.13	186.55	10,931.5	226.3	-756.0	-152.9	12.00	11.84	-3.17
11,025.0	42.10	185.85	10,950.5	210.1	-757.7	-136.6	12.00	11.86	-2.79
11,050.0	45.07	185.23	10,968.6	192.9	-759.4	-119.4	12.00	11.88	-2.49
11,075.0	48.04	184.67	10,985.8	174.9	-761.0	-101.3	12.00	11.89	-2.24
FTP(Bandit 29 St Com #507H)									
11,100.0	51.02	184.16	11,002.0	155.9	-762.4	-82.2	12.00	11.90	-2.04
11,125.0	53.99	183.69	11,017.2	136.1	-763.8	-62.4	12.00	11.91	-1.88
11,150.0	56.97	183.25	11,031.4	115.6	-765.0	-41.8	12.00	11.91	-1.74
11,175.0	59.95	182.85	11,044.5	94.3	-766.2	-20.6	12.00	11.92	-1.63
11,200.0	62.93	182.46	11,056.4	72.4	-767.2	1.4	12.00	11.92	-1.53
11,225.0	65.91	182.10	11,067.2	49.8	-768.1	23.9	12.00	11.93	-1.45
11,250.0	68.90	181.75	11,076.8	26.8	-768.8	46.9	12.00	11.93	-1.39
11,275.0	71.88	181.42	11,085.2	3.2	-769.5	70.4	12.00	11.93	-1.33
11,300.0	74.86	181.10	11,092.4	-20.7	-770.0	94.3	12.00	11.94	-1.29
11,325.0	77.85	180.78	11,098.2	-45.0	-770.4	118.5	12.00	11.94	-1.25
11,350.0	80.83	180.48	11,102.9	-69.6	-770.7	143.0	12.00	11.94	-1.22
11,375.0	83.82	180.18	11,106.2	-94.4	-770.8	167.7	12.00	11.94	-1.20
11,400.0	86.80	179.88	11,108.3	-119.3	-770.8	192.5	12.00	11.94	-1.19
11,426.8	90.00	179.56	11,109.0	-146.0	-770.7	219.1	12.00	11.94	-1.18
11,500.0	90.00	179.56	11,109.0	-219.2	-770.2	291.9	0.00	0.00	0.00
11,600.0	90.00	179.56	11,109.0	-319.2	-769.4	391.4	0.00	0.00	0.00
11,700.0	90.00	179.56	11,109.0	-419.2	-768.6	490.9	0.00	0.00	0.00
11,800.0	90.00	179.56	11,109.0	-519.2	-767.9	590.3	0.00	0.00	0.00
11,900.0	90.00	179.56	11,109.0	-619.2	-767.1	689.8	0.00	0.00	0.00
12,000.0	90.00	179.56	11,109.0	-719.2	-766.3	789.3	0.00	0.00	0.00
12,100.0	90.00	179.56	11,109.0	-819.2	-765.6	888.7	0.00	0.00	0.00
12,200.0	90.00	179.56	11,109.0	-919.2	-764.8	988.2	0.00	0.00	0.00
12,300.0	90.00	179.56	11,109.0	-1,019.2	-764.0	1,087.6	0.00	0.00	0.00
12,400.0	90.00	179.56	11,109.0	-1,119.2	-763.3	1,187.1	0.00	0.00	0.00
12,500.0	90.00	179.56	11,109.0	-1,219.2	-762.5	1,286.6	0.00	0.00	0.00
12,600.0	90.00	179.56	11,109.0	-1,319.2	-761.8	1,386.0	0.00	0.00	0.00
12,700.0	90.00	179.56	11,109.0	-1,419.2	-761.0	1,485.5	0.00	0.00	0.00
12,800.0	90.00	179.56	11,109.0	-1,519.2	-760.2	1,585.0	0.00	0.00	0.00
12,900.0	90.00	179.56	11,109.0	-1,619.2	-759.5	1,684.4	0.00	0.00	0.00
13,000.0	90.00	179.56	11,109.0	-1,719.2	-758.7	1,783.9	0.00	0.00	0.00
13,100.0	90.00	179.56	11,109.0	-1,819.2	-757.9	1,883.4	0.00	0.00	0.00
13,200.0	90.00	179.56	11,109.0	-1,919.2	-757.2	1,982.8	0.00	0.00	0.00
13,300.0	90.00	179.56	11,109.0	-2,019.2	-756.4	2,082.3	0.00	0.00	0.00
13,400.0	90.00	179.56	11,109.0	-2,119.2	-755.6	2,181.8	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 Corn
 Well: #507H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #507H
 TVD Reference: KB = 25 @ 3564.0usft
 MD Reference: KB = 25 @ 3564.0usft
 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)
13,500.0	90.00	179.56	11,109.0	-2,219.2	-754.9	2,281.2	0.00	0.00	0.00
13,600.0	90.00	179.56	11,109.0	-2,319.2	-754.1	2,380.7	0.00	0.00	0.00
13,700.0	90.00	179.56	11,109.0	-2,419.2	-753.3	2,480.2	0.00	0.00	0.00
13,800.0	90.00	179.56	11,109.0	-2,519.2	-752.6	2,579.6	0.00	0.00	0.00
13,900.0	90.00	179.56	11,109.0	-2,619.2	-751.8	2,679.1	0.00	0.00	0.00
14,000.0	90.00	179.56	11,109.0	-2,719.2	-751.1	2,778.6	0.00	0.00	0.00
14,100.0	90.00	179.56	11,109.0	-2,819.2	-750.3	2,878.0	0.00	0.00	0.00
14,200.0	90.00	179.56	11,109.0	-2,919.2	-749.5	2,977.5	0.00	0.00	0.00
14,300.0	90.00	179.56	11,109.0	-3,019.2	-748.8	3,077.0	0.00	0.00	0.00
14,400.0	90.00	179.56	11,109.0	-3,119.2	-748.0	3,176.4	0.00	0.00	0.00
14,500.0	90.00	179.56	11,109.0	-3,219.2	-747.2	3,275.9	0.00	0.00	0.00
14,600.0	90.00	179.56	11,109.0	-3,319.2	-746.5	3,375.3	0.00	0.00	0.00
14,700.0	90.00	179.56	11,109.0	-3,419.2	-745.7	3,474.8	0.00	0.00	0.00
14,800.0	90.00	179.56	11,109.0	-3,519.2	-744.9	3,574.3	0.00	0.00	0.00
14,900.0	90.00	179.56	11,109.0	-3,619.1	-744.2	3,673.7	0.00	0.00	0.00
15,000.0	90.00	179.56	11,109.0	-3,719.1	-743.4	3,773.2	0.00	0.00	0.00
15,100.0	90.00	179.56	11,109.0	-3,819.1	-742.7	3,872.7	0.00	0.00	0.00
15,200.0	90.00	179.56	11,109.0	-3,919.1	-741.9	3,972.1	0.00	0.00	0.00
15,300.0	90.00	179.56	11,109.0	-4,019.1	-741.1	4,071.6	0.00	0.00	0.00
15,400.0	90.00	179.56	11,109.0	-4,119.1	-740.4	4,171.1	0.00	0.00	0.00
15,500.0	90.00	179.56	11,109.0	-4,219.1	-739.6	4,270.5	0.00	0.00	0.00
15,600.0	90.00	179.56	11,109.0	-4,319.1	-738.8	4,370.0	0.00	0.00	0.00
15,700.0	90.00	179.56	11,109.0	-4,419.1	-738.1	4,469.5	0.00	0.00	0.00
15,800.0	90.00	179.56	11,109.0	-4,519.1	-737.3	4,568.9	0.00	0.00	0.00
15,900.0	90.00	179.56	11,109.0	-4,619.1	-736.5	4,668.4	0.00	0.00	0.00
16,000.0	90.00	179.56	11,109.0	-4,719.1	-735.8	4,767.9	0.00	0.00	0.00
16,100.0	90.00	179.56	11,109.0	-4,819.1	-735.0	4,867.3	0.00	0.00	0.00
16,200.0	90.00	179.56	11,109.0	-4,919.1	-734.3	4,966.8	0.00	0.00	0.00
16,300.0	90.00	179.56	11,109.0	-5,019.1	-733.5	5,066.3	0.00	0.00	0.00
16,400.0	90.00	179.56	11,109.0	-5,119.1	-732.7	5,165.7	0.00	0.00	0.00
16,500.0	90.00	179.56	11,109.0	-5,219.1	-732.0	5,265.2	0.00	0.00	0.00
16,600.0	90.00	179.56	11,109.0	-5,319.1	-731.2	5,364.7	0.00	0.00	0.00
16,700.0	90.00	179.56	11,109.0	-5,419.1	-730.4	5,464.1	0.00	0.00	0.00
16,800.0	90.00	179.56	11,109.0	-5,519.1	-729.7	5,563.6	0.00	0.00	0.00
16,900.0	90.00	179.56	11,109.0	-5,619.1	-728.9	5,663.1	0.00	0.00	0.00
17,000.0	90.00	179.56	11,109.0	-5,719.1	-728.1	5,762.5	0.00	0.00	0.00
17,100.0	90.00	179.56	11,109.0	-5,819.1	-727.4	5,862.0	0.00	0.00	0.00
17,200.0	90.00	179.56	11,109.0	-5,919.1	-726.6	5,961.4	0.00	0.00	0.00
17,300.0	90.00	179.56	11,109.0	-6,019.1	-725.8	6,060.9	0.00	0.00	0.00
17,400.0	90.00	179.56	11,109.0	-6,119.1	-725.1	6,160.4	0.00	0.00	0.00
17,500.0	90.00	179.56	11,109.0	-6,219.1	-724.3	6,259.8	0.00	0.00	0.00
17,600.0	90.00	179.56	11,109.0	-6,319.1	-723.6	6,359.3	0.00	0.00	0.00
17,700.0	90.00	179.56	11,109.0	-6,419.1	-722.8	6,458.8	0.00	0.00	0.00
17,800.0	90.00	179.56	11,109.0	-6,519.1	-722.0	6,558.2	0.00	0.00	0.00
17,900.0	90.00	179.56	11,109.0	-6,619.1	-721.3	6,657.7	0.00	0.00	0.00
18,000.0	90.00	179.56	11,109.0	-6,719.1	-720.5	6,757.2	0.00	0.00	0.00
18,100.0	90.00	179.56	11,109.0	-6,819.1	-719.7	6,856.6	0.00	0.00	0.00
18,200.0	90.00	179.56	11,109.0	-6,919.1	-719.0	6,956.1	0.00	0.00	0.00
18,300.0	90.00	179.56	11,109.0	-7,019.0	-718.2	7,055.6	0.00	0.00	0.00
18,400.0	90.00	179.56	11,109.0	-7,119.0	-717.4	7,155.0	0.00	0.00	0.00
18,500.0	90.00	179.56	11,109.0	-7,219.0	-716.7	7,254.5	0.00	0.00	0.00
18,600.0	90.00	179.56	11,109.0	-7,319.0	-715.9	7,354.0	0.00	0.00	0.00
18,700.0	90.00	179.56	11,109.0	-7,419.0	-715.2	7,453.4	0.00	0.00	0.00
18,720.0	90.00	179.56	11,109.0	-7,439.0	-715.0	7,473.3	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: #507H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #507H
TVD Reference: KB = 25 @ 3564.0usft
MD Reference: KB = 25 @ 3564.0usft
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 #507H)									

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	11,109.0	-7,439.0	-715.0	427,956.00	767,685.00	32° 10' 27.889 N	103° 36' 6.381 W
FTP(Bandit 29 St Com # - plan misses target center by 165.1usft at 11075.0usft MD (10985.8 TVD, 174.9 N, -761.0 E) - Point	0.00	0.00	11,109.0	284.0	-774.0	435,679.00	767,626.00	32° 11' 44.314 N	103° 36' 6.456 W