

HOBBS OCL
NOV 29 2018
RECEIVED



Lea County, NM (NAD 83 NME)

Convoy 28 State Com #606H

Plan #0.2

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

WELL DETAILS: #606H

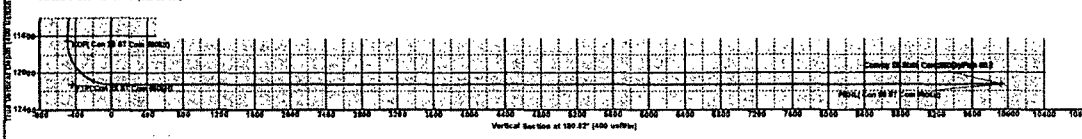
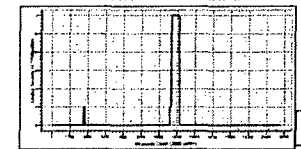
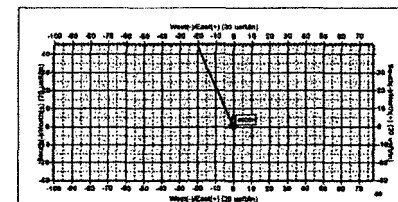
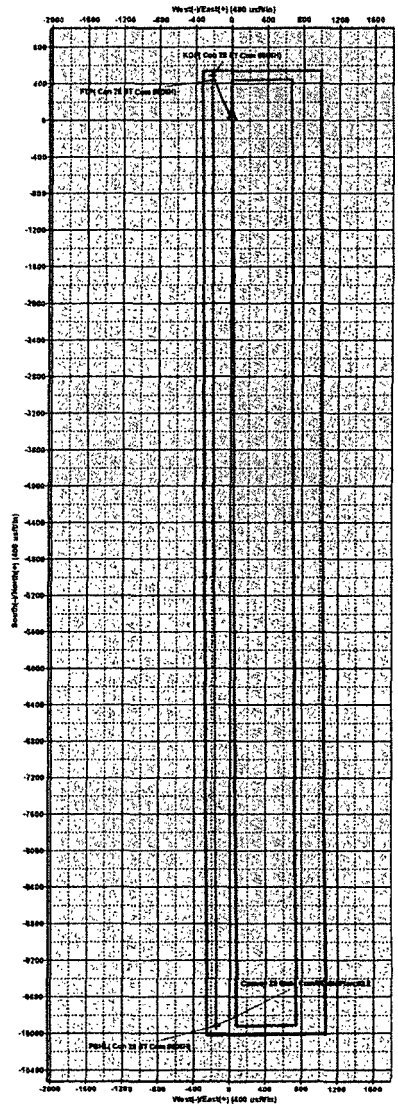
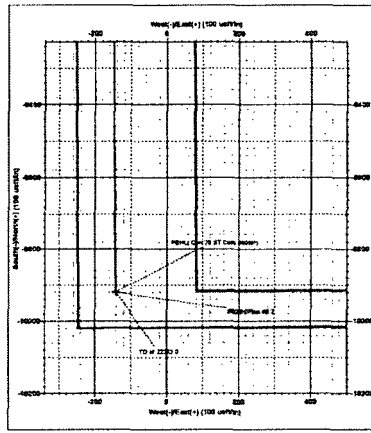
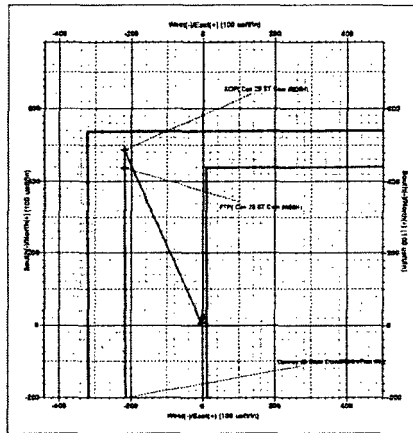
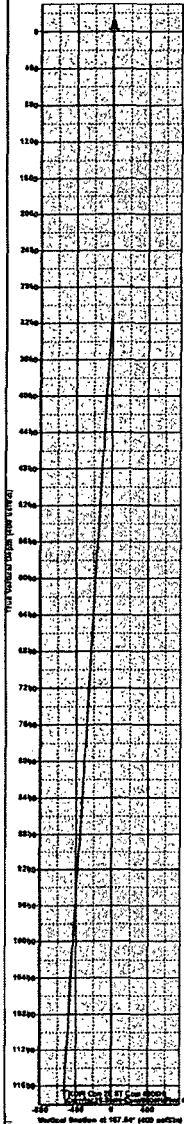
KB = 25 @ 3546.0usft
Northing 435280.00 Easting 778540.00
Latitude 32° 11' 39.824 N Longitude 103° 54' 34.392 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dreg	TFace	VSept	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3180.4	3.81	335.79	3180.3	5.2	-2.3	2.00	335.79	-6.1	
4	11484.8	3.81	335.79	11488.2	481.8	-218.7	0.00	0.00	-478.7	
5	11685.2	0.00	0.00	11648.5	487.0	-219.0	2.00	180.00	-483.8	
6	12415.2	90.00	179.88	12128.0	9.5	-215.5	12.00	179.88	-4.3	KOP(Con 28 ST Com #606H)
7	22343.0	90.00	179.88	12128.0	-918.0	-142.0	0.00	0.00	9919.0	PBHL(Con 28 ST Com #606H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Con 28 ST Com #606H)	11488.5	487.0	-218.0	435767.00	778321.00
FTP(Con 28 ST Com #606H)	12128.0	437.0	-219.0	435717.00	778321.00
PBHL(Con 28 ST Com #606H)	12128.0	-918.0	-142.0	425382.00	778388.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Convoy 28 State Com

#606H

OH

Plan: Plan #0.2

Standard Planning Report

28 November, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #606H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#606H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	Convoy 28 State Com		
Site Position:	From: Map	Northing:	435,221.00 usft
		Easting:	777,172.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 11' 39.126 N
		Longitude:	103° 34' 15.406 W
		Grid Convergence:	0.41 °

Well	#606H		
Well Position	+N/-S	59.0 usft	Northing:
	+E/-W	-1,632.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:
			3,521.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/30/2017	6.90	60.03	47,872.59024048

Design	Plan #0.2			
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	180.82

Plan Survey Tool Program	Date 11/28/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,343.0 Plan #0.2 (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	
3,180.4	3.61	335.79	3,180.3	5.2	-2.3	2.00	2.00	0.00	335.79	
11,484.8	3.61	335.79	11,468.2	481.8	-216.7	0.00	0.00	0.00	0.00	
11,665.2	0.00	0.00	11,648.5	487.0	-219.0	2.00	-2.00	0.00	180.00	KOP(Con 28 ST Corr
12,415.2	90.00	179.58	12,126.0	9.5	-215.5	12.00	12.00	23.94	179.58	
22,343.0	90.00	179.58	12,126.0	-9,918.0	-142.0	0.00	0.00	0.00	0.00	PBHL(Con 28 ST Co



Planning Report

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Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#606H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	2.00	335.79	3,100.0	1.6	-0.7	-1.6	2.00	2.00	0.00
3,180.4	3.61	335.79	3,180.3	5.2	-2.3	-5.1	2.00	2.00	0.00
3,200.0	3.61	335.79	3,199.8	6.3	-2.8	-6.3	0.00	0.00	0.00
3,300.0	3.61	335.79	3,299.6	12.0	-5.4	-12.0	0.00	0.00	0.00
3,400.0	3.61	335.79	3,399.4	17.8	-8.0	-17.7	0.00	0.00	0.00
3,500.0	3.61	335.79	3,499.2	23.5	-10.6	-23.4	0.00	0.00	0.00
3,600.0	3.61	335.79	3,599.0	29.3	-13.2	-29.1	0.00	0.00	0.00
3,700.0	3.61	335.79	3,698.9	35.0	-15.7	-34.8	0.00	0.00	0.00
3,800.0	3.61	335.79	3,798.7	40.7	-18.3	-40.5	0.00	0.00	0.00
3,900.0	3.61	335.79	3,898.5	46.5	-20.9	-46.2	0.00	0.00	0.00
4,000.0	3.61	335.79	3,998.3	52.2	-23.5	-51.9	0.00	0.00	0.00
4,100.0	3.61	335.79	4,098.1	58.0	-26.1	-57.6	0.00	0.00	0.00
4,200.0	3.61	335.79	4,197.9	63.7	-28.6	-63.3	0.00	0.00	0.00
4,300.0	3.61	335.79	4,297.7	69.4	-31.2	-69.0	0.00	0.00	0.00
4,400.0	3.61	335.79	4,397.5	75.2	-33.8	-74.7	0.00	0.00	0.00
4,500.0	3.61	335.79	4,497.3	80.9	-36.4	-80.4	0.00	0.00	0.00
4,600.0	3.61	335.79	4,597.1	86.7	-39.0	-86.1	0.00	0.00	0.00
4,700.0	3.61	335.79	4,696.9	92.4	-41.6	-91.8	0.00	0.00	0.00
4,800.0	3.61	335.79	4,796.7	98.1	-44.1	-97.5	0.00	0.00	0.00
4,900.0	3.61	335.79	4,896.5	103.9	-46.7	-103.2	0.00	0.00	0.00
5,000.0	3.61	335.79	4,996.3	109.6	-49.3	-108.9	0.00	0.00	0.00
5,100.0	3.61	335.79	5,096.1	115.4	-51.9	-114.6	0.00	0.00	0.00
5,200.0	3.61	335.79	5,195.9	121.1	-54.5	-120.3	0.00	0.00	0.00



Planning Report

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Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#606H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	3.61	335.79	5,295.7	126.8	-57.0	-126.0	0.00	0.00	0.00
5,400.0	3.61	335.79	5,395.5	132.6	-59.6	-131.7	0.00	0.00	0.00
5,500.0	3.61	335.79	5,495.3	138.3	-62.2	-137.4	0.00	0.00	0.00
5,600.0	3.61	335.79	5,595.1	144.1	-64.8	-143.1	0.00	0.00	0.00
5,700.0	3.61	335.79	5,694.9	149.8	-67.4	-148.8	0.00	0.00	0.00
5,800.0	3.61	335.79	5,794.7	155.5	-69.9	-154.5	0.00	0.00	0.00
5,900.0	3.61	335.79	5,894.5	161.3	-72.5	-160.2	0.00	0.00	0.00
6,000.0	3.61	335.79	5,994.3	167.0	-75.1	-165.9	0.00	0.00	0.00
6,100.0	3.61	335.79	6,094.1	172.8	-77.7	-171.6	0.00	0.00	0.00
6,200.0	3.61	335.79	6,193.9	178.5	-80.3	-177.3	0.00	0.00	0.00
6,300.0	3.61	335.79	6,293.7	184.2	-82.8	-183.0	0.00	0.00	0.00
6,400.0	3.61	335.79	6,393.5	190.0	-85.4	-188.7	0.00	0.00	0.00
6,500.0	3.61	335.79	6,493.3	195.7	-88.0	-194.4	0.00	0.00	0.00
6,600.0	3.61	335.79	6,593.1	201.5	-90.6	-200.1	0.00	0.00	0.00
6,700.0	3.61	335.79	6,692.9	207.2	-93.2	-205.8	0.00	0.00	0.00
6,800.0	3.61	335.79	6,792.7	212.9	-95.8	-211.5	0.00	0.00	0.00
6,900.0	3.61	335.79	6,892.5	218.7	-98.3	-217.2	0.00	0.00	0.00
7,000.0	3.61	335.79	6,992.3	224.4	-100.9	-222.9	0.00	0.00	0.00
7,100.0	3.61	335.79	7,092.1	230.1	-103.5	-228.6	0.00	0.00	0.00
7,200.0	3.61	335.79	7,191.9	235.9	-106.1	-234.3	0.00	0.00	0.00
7,300.0	3.61	335.79	7,291.7	241.6	-108.7	-240.0	0.00	0.00	0.00
7,400.0	3.61	335.79	7,391.5	247.4	-111.2	-245.8	0.00	0.00	0.00
7,500.0	3.61	335.79	7,491.3	253.1	-113.8	-251.5	0.00	0.00	0.00
7,600.0	3.61	335.79	7,591.1	258.8	-116.4	-257.2	0.00	0.00	0.00
7,700.0	3.61	335.79	7,690.9	264.6	-119.0	-262.9	0.00	0.00	0.00
7,800.0	3.61	335.79	7,790.7	270.3	-121.6	-268.6	0.00	0.00	0.00
7,900.0	3.61	335.79	7,890.5	276.1	-124.1	-274.3	0.00	0.00	0.00
8,000.0	3.61	335.79	7,990.3	281.8	-126.7	-280.0	0.00	0.00	0.00
8,100.0	3.61	335.79	8,090.1	287.5	-129.3	-285.7	0.00	0.00	0.00
8,200.0	3.61	335.79	8,189.9	293.3	-131.9	-291.4	0.00	0.00	0.00
8,300.0	3.61	335.79	8,289.7	299.0	-134.5	-297.1	0.00	0.00	0.00
8,400.0	3.61	335.79	8,389.5	304.8	-137.1	-302.8	0.00	0.00	0.00
8,500.0	3.61	335.79	8,489.3	310.5	-139.6	-308.5	0.00	0.00	0.00
8,600.0	3.61	335.79	8,589.1	316.2	-142.2	-314.2	0.00	0.00	0.00
8,700.0	3.61	335.79	8,688.9	322.0	-144.8	-319.9	0.00	0.00	0.00
8,800.0	3.61	335.79	8,788.7	327.7	-147.4	-325.6	0.00	0.00	0.00
8,900.0	3.61	335.79	8,888.5	333.5	-150.0	-331.3	0.00	0.00	0.00
9,000.0	3.61	335.79	8,988.3	339.2	-152.5	-337.0	0.00	0.00	0.00
9,100.0	3.61	335.79	9,088.1	344.9	-155.1	-342.7	0.00	0.00	0.00
9,200.0	3.61	335.79	9,187.9	350.7	-157.7	-348.4	0.00	0.00	0.00
9,300.0	3.61	335.79	9,287.8	356.4	-160.3	-354.1	0.00	0.00	0.00
9,400.0	3.61	335.79	9,387.6	362.2	-162.9	-359.8	0.00	0.00	0.00
9,500.0	3.61	335.79	9,487.4	367.9	-165.4	-365.5	0.00	0.00	0.00
9,600.0	3.61	335.79	9,587.2	373.6	-168.0	-371.2	0.00	0.00	0.00
9,700.0	3.61	335.79	9,687.0	379.4	-170.6	-376.9	0.00	0.00	0.00
9,800.0	3.61	335.79	9,786.8	385.1	-173.2	-382.6	0.00	0.00	0.00
9,900.0	3.61	335.79	9,886.6	390.9	-175.8	-388.3	0.00	0.00	0.00
10,000.0	3.61	335.79	9,986.4	396.6	-178.3	-394.0	0.00	0.00	0.00
10,100.0	3.61	335.79	10,086.2	402.3	-180.9	-399.7	0.00	0.00	0.00
10,200.0	3.61	335.79	10,186.0	408.1	-183.5	-405.4	0.00	0.00	0.00
10,300.0	3.61	335.79	10,285.8	413.8	-186.1	-411.1	0.00	0.00	0.00
10,400.0	3.61	335.79	10,385.6	419.6	-188.7	-416.8	0.00	0.00	0.00
10,500.0	3.61	335.79	10,485.4	425.3	-191.3	-422.5	0.00	0.00	0.00
10,600.0	3.61	335.79	10,585.2	431.0	-193.8	-428.2	0.00	0.00	0.00



Planning Report

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Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#606H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	3.61	335.79	10,685.0	436.8	-196.4	-433.9	0.00	0.00	0.00	
10,800.0	3.61	335.79	10,784.8	442.5	-199.0	-439.6	0.00	0.00	0.00	
10,900.0	3.61	335.79	10,884.6	448.3	-201.6	-445.3	0.00	0.00	0.00	
11,000.0	3.61	335.79	10,984.4	454.0	-204.2	-451.0	0.00	0.00	0.00	
11,100.0	3.61	335.79	11,084.2	459.7	-206.7	-456.7	0.00	0.00	0.00	
11,200.0	3.61	335.79	11,184.0	465.5	-209.3	-462.4	0.00	0.00	0.00	
11,300.0	3.61	335.79	11,283.8	471.2	-211.9	-468.1	0.00	0.00	0.00	
11,400.0	3.61	335.79	11,383.6	477.0	-214.5	-473.8	0.00	0.00	0.00	
11,484.8	3.61	335.79	11,468.2	481.8	-216.7	-478.7	0.00	0.00	0.00	
11,500.0	3.30	335.79	11,483.4	482.7	-217.0	-479.5	2.00	-2.00	0.00	
11,600.0	1.30	335.79	11,583.3	486.3	-218.7	-483.1	2.00	-2.00	0.00	
11,665.2	0.00	0.00	11,648.5	487.0	-219.0	-483.8	2.00	-2.00	0.00	
11,675.0	1.18	179.58	11,658.3	486.9	-219.0	-483.7	12.00	12.00	0.00	
11,700.0	4.18	179.58	11,683.3	485.7	-219.0	-482.5	12.00	12.00	0.00	
11,725.0	7.18	179.58	11,708.1	483.3	-219.0	-480.1	12.00	12.00	0.00	
11,750.0	10.18	179.58	11,732.9	479.5	-218.9	-476.3	12.00	12.00	0.00	
11,775.0	13.18	179.58	11,757.3	474.4	-218.9	-471.2	12.00	12.00	0.00	
11,800.0	16.18	179.58	11,781.5	468.1	-218.9	-464.9	12.00	12.00	0.00	
11,825.0	19.18	179.58	11,805.3	460.5	-218.8	-457.3	12.00	12.00	0.00	
11,850.0	22.18	179.58	11,828.7	451.7	-218.7	-448.5	12.00	12.00	0.00	
11,875.0	25.18	179.58	11,851.6	441.6	-218.7	-438.5	12.00	12.00	0.00	
11,900.0	28.18	179.58	11,874.0	430.4	-218.6	-427.2	12.00	12.00	0.00	
11,925.0	31.18	179.58	11,895.7	418.0	-218.5	-414.9	12.00	12.00	0.00	
11,950.0	34.18	179.58	11,916.7	404.6	-218.4	-401.4	12.00	12.00	0.00	
11,975.0	37.18	179.58	11,937.0	390.0	-218.3	-386.8	12.00	12.00	0.00	
12,000.0	40.18	179.58	11,956.5	374.4	-218.2	-371.2	12.00	12.00	0.00	
12,025.0	43.18	179.58	11,975.2	357.7	-218.0	-354.6	12.00	12.00	0.00	
12,050.0	46.18	179.58	11,993.0	340.2	-217.9	-337.0	12.00	12.00	0.00	
12,075.0	49.18	179.58	12,009.8	321.7	-217.8	-318.5	12.00	12.00	0.00	
12,100.0	52.18	179.58	12,025.6	302.3	-217.6	-299.2	12.00	12.00	0.00	
12,125.0	55.18	179.58	12,040.5	282.2	-217.5	-279.1	12.00	12.00	0.00	
12,150.0	58.18	179.58	12,054.2	261.3	-217.3	-258.2	12.00	12.00	0.00	
12,175.0	61.18	179.58	12,066.8	239.7	-217.2	-236.6	12.00	12.00	0.00	
12,200.0	64.18	179.58	12,078.3	217.5	-217.0	-214.4	12.00	12.00	0.00	
12,225.0	67.18	179.58	12,088.6	194.8	-216.8	-191.6	12.00	12.00	0.00	
12,250.0	70.18	179.58	12,097.7	171.5	-216.7	-168.3	12.00	12.00	0.00	
12,275.0	73.18	179.58	12,105.5	147.7	-216.5	-144.6	12.00	12.00	0.00	
12,300.0	76.18	179.58	12,112.1	123.6	-216.3	-120.5	12.00	12.00	0.00	
12,325.0	79.18	179.58	12,117.5	99.2	-216.1	-96.1	12.00	12.00	0.00	
12,350.0	82.18	179.58	12,121.5	74.5	-215.9	-71.4	12.00	12.00	0.00	
12,375.0	85.18	179.58	12,124.3	49.7	-215.8	-46.6	12.00	12.00	0.00	
12,400.0	88.18	179.58	12,125.7	24.7	-215.6	-21.7	12.00	12.00	0.00	
12,415.2	90.00	179.58	12,126.0	9.5	-215.5	-6.5	12.00	12.00	0.00	
12,500.0	90.00	179.58	12,126.0	-75.2	-214.8	78.3	0.00	0.00	0.00	
12,600.0	90.00	179.58	12,126.0	-175.2	-214.1	178.3	0.00	0.00	0.00	
12,700.0	90.00	179.58	12,126.0	-275.2	-213.4	278.3	0.00	0.00	0.00	
12,800.0	90.00	179.58	12,126.0	-375.2	-212.6	378.2	0.00	0.00	0.00	
12,900.0	90.00	179.58	12,126.0	-475.2	-211.9	478.2	0.00	0.00	0.00	
13,000.0	90.00	179.58	12,126.0	-575.2	-211.1	578.2	0.00	0.00	0.00	
13,100.0	90.00	179.58	12,126.0	-675.2	-210.4	678.2	0.00	0.00	0.00	
13,200.0	90.00	179.58	12,126.0	-775.2	-209.7	778.2	0.00	0.00	0.00	
13,300.0	90.00	179.58	12,126.0	-875.2	-208.9	878.1	0.00	0.00	0.00	
13,400.0	90.00	179.58	12,126.0	-975.2	-208.2	978.1	0.00	0.00	0.00	
13,500.0	90.00	179.58	12,126.0	-1,075.2	-207.4	1,078.1	0.00	0.00	0.00	



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #806H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#806H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)
13,600.0	90.00	179.58	12,126.0	-1,175.2	-206.7	1,178.1	0.00	0.00	0.00
13,700.0	90.00	179.58	12,126.0	-1,275.2	-206.0	1,278.0	0.00	0.00	0.00
13,800.0	90.00	179.58	12,126.0	-1,375.2	-205.2	1,378.0	0.00	0.00	0.00
13,900.0	90.00	179.58	12,126.0	-1,475.2	-204.5	1,478.0	0.00	0.00	0.00
14,000.0	90.00	179.58	12,126.0	-1,575.2	-203.7	1,578.0	0.00	0.00	0.00
14,100.0	90.00	179.58	12,126.0	-1,675.2	-203.0	1,677.9	0.00	0.00	0.00
14,200.0	90.00	179.58	12,126.0	-1,775.2	-202.3	1,777.9	0.00	0.00	0.00
14,300.0	90.00	179.58	12,126.0	-1,875.2	-201.5	1,877.9	0.00	0.00	0.00
14,400.0	90.00	179.58	12,126.0	-1,975.2	-200.8	1,977.9	0.00	0.00	0.00
14,500.0	90.00	179.58	12,126.0	-2,075.2	-200.0	2,077.8	0.00	0.00	0.00
14,600.0	90.00	179.58	12,126.0	-2,175.2	-199.3	2,177.8	0.00	0.00	0.00
14,700.0	90.00	179.58	12,126.0	-2,275.2	-198.6	2,277.8	0.00	0.00	0.00
14,800.0	90.00	179.58	12,126.0	-2,375.2	-197.8	2,377.8	0.00	0.00	0.00
14,900.0	90.00	179.58	12,126.0	-2,475.2	-197.1	2,477.8	0.00	0.00	0.00
15,000.0	90.00	179.58	12,126.0	-2,575.2	-196.3	2,577.7	0.00	0.00	0.00
15,100.0	90.00	179.58	12,126.0	-2,675.2	-195.6	2,677.7	0.00	0.00	0.00
15,200.0	90.00	179.58	12,126.0	-2,775.2	-194.9	2,777.7	0.00	0.00	0.00
15,300.0	90.00	179.58	12,126.0	-2,875.2	-194.1	2,877.7	0.00	0.00	0.00
15,400.0	90.00	179.58	12,126.0	-2,975.2	-193.4	2,977.6	0.00	0.00	0.00
15,500.0	90.00	179.58	12,126.0	-3,075.2	-192.6	3,077.6	0.00	0.00	0.00
15,600.0	90.00	179.58	12,126.0	-3,175.2	-191.9	3,177.6	0.00	0.00	0.00
15,700.0	90.00	179.58	12,126.0	-3,275.2	-191.2	3,277.6	0.00	0.00	0.00
15,800.0	90.00	179.58	12,126.0	-3,375.2	-190.4	3,377.5	0.00	0.00	0.00
15,900.0	90.00	179.58	12,126.0	-3,475.2	-189.7	3,477.5	0.00	0.00	0.00
16,000.0	90.00	179.58	12,126.0	-3,575.2	-188.9	3,577.5	0.00	0.00	0.00
16,100.0	90.00	179.58	12,126.0	-3,675.2	-188.2	3,677.5	0.00	0.00	0.00
16,200.0	90.00	179.58	12,126.0	-3,775.1	-187.5	3,777.4	0.00	0.00	0.00
16,300.0	90.00	179.58	12,126.0	-3,875.1	-186.7	3,877.4	0.00	0.00	0.00
16,400.0	90.00	179.58	12,126.0	-3,975.1	-186.0	3,977.4	0.00	0.00	0.00
16,500.0	90.00	179.58	12,126.0	-4,075.1	-185.2	4,077.4	0.00	0.00	0.00
16,600.0	90.00	179.58	12,126.0	-4,175.1	-184.5	4,177.4	0.00	0.00	0.00
16,700.0	90.00	179.58	12,126.0	-4,275.1	-183.8	4,277.3	0.00	0.00	0.00
16,800.0	90.00	179.58	12,126.0	-4,375.1	-183.0	4,377.3	0.00	0.00	0.00
16,900.0	90.00	179.58	12,126.0	-4,475.1	-182.3	4,477.3	0.00	0.00	0.00
17,000.0	90.00	179.58	12,126.0	-4,575.1	-181.5	4,577.3	0.00	0.00	0.00
17,100.0	90.00	179.58	12,126.0	-4,675.1	-180.8	4,677.2	0.00	0.00	0.00
17,200.0	90.00	179.58	12,126.0	-4,775.1	-180.1	4,777.2	0.00	0.00	0.00
17,300.0	90.00	179.58	12,126.0	-4,875.1	-179.3	4,877.2	0.00	0.00	0.00
17,400.0	90.00	179.58	12,126.0	-4,975.1	-178.6	4,977.2	0.00	0.00	0.00
17,500.0	90.00	179.58	12,126.0	-5,075.1	-177.8	5,077.1	0.00	0.00	0.00
17,600.0	90.00	179.58	12,126.0	-5,175.1	-177.1	5,177.1	0.00	0.00	0.00
17,700.0	90.00	179.58	12,126.0	-5,275.1	-176.4	5,277.1	0.00	0.00	0.00
17,800.0	90.00	179.58	12,126.0	-5,375.1	-175.6	5,377.1	0.00	0.00	0.00
17,900.0	90.00	179.58	12,126.0	-5,475.1	-174.9	5,477.0	0.00	0.00	0.00
18,000.0	90.00	179.58	12,126.0	-5,575.1	-174.1	5,577.0	0.00	0.00	0.00
18,100.0	90.00	179.58	12,126.0	-5,675.1	-173.4	5,677.0	0.00	0.00	0.00
18,200.0	90.00	179.58	12,126.0	-5,775.1	-172.7	5,777.0	0.00	0.00	0.00
18,300.0	90.00	179.58	12,126.0	-5,875.1	-171.9	5,876.9	0.00	0.00	0.00
18,400.0	90.00	179.58	12,126.0	-5,975.1	-171.2	5,976.9	0.00	0.00	0.00
18,500.0	90.00	179.58	12,126.0	-6,075.1	-170.4	6,076.9	0.00	0.00	0.00
18,600.0	90.00	179.58	12,126.0	-6,175.1	-169.7	6,176.9	0.00	0.00	0.00
18,700.0	90.00	179.58	12,126.0	-6,275.1	-169.0	6,276.9	0.00	0.00	0.00
18,800.0	90.00	179.58	12,126.0	-6,375.1	-168.2	6,376.8	0.00	0.00	0.00
18,900.0	90.00	179.58	12,126.0	-6,475.1	-167.5	6,476.8	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #806H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#806H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)
19,000.0	90.00	179.58	12,126.0	-6,575.1	-166.7	6,576.8	0.00	0.00	0.00
19,100.0	90.00	179.58	12,126.0	-6,675.1	-166.0	6,676.8	0.00	0.00	0.00
19,200.0	90.00	179.58	12,126.0	-6,775.1	-165.3	6,776.7	0.00	0.00	0.00
19,300.0	90.00	179.58	12,126.0	-6,875.1	-164.5	6,876.7	0.00	0.00	0.00
19,400.0	90.00	179.58	12,126.0	-6,975.1	-163.8	6,976.7	0.00	0.00	0.00
19,500.0	90.00	179.58	12,126.0	-7,075.1	-163.0	7,076.7	0.00	0.00	0.00
19,600.0	90.00	179.58	12,126.0	-7,175.1	-162.3	7,176.6	0.00	0.00	0.00
19,700.0	90.00	179.58	12,126.0	-7,275.1	-161.6	7,276.6	0.00	0.00	0.00
19,800.0	90.00	179.58	12,126.0	-7,375.0	-160.8	7,376.6	0.00	0.00	0.00
19,900.0	90.00	179.58	12,126.0	-7,475.0	-160.1	7,476.6	0.00	0.00	0.00
20,000.0	90.00	179.58	12,126.0	-7,575.0	-159.3	7,576.5	0.00	0.00	0.00
20,100.0	90.00	179.58	12,126.0	-7,675.0	-158.6	7,676.5	0.00	0.00	0.00
20,200.0	90.00	179.58	12,126.0	-7,775.0	-157.9	7,776.5	0.00	0.00	0.00
20,300.0	90.00	179.58	12,126.0	-7,875.0	-157.1	7,876.5	0.00	0.00	0.00
20,400.0	90.00	179.58	12,126.0	-7,975.0	-156.4	7,976.5	0.00	0.00	0.00
20,500.0	90.00	179.58	12,126.0	-8,075.0	-155.6	8,076.4	0.00	0.00	0.00
20,600.0	90.00	179.58	12,126.0	-8,175.0	-154.9	8,176.4	0.00	0.00	0.00
20,700.0	90.00	179.58	12,126.0	-8,275.0	-154.2	8,276.4	0.00	0.00	0.00
20,800.0	90.00	179.58	12,126.0	-8,375.0	-153.4	8,376.4	0.00	0.00	0.00
20,900.0	90.00	179.58	12,126.0	-8,475.0	-152.7	8,476.3	0.00	0.00	0.00
21,000.0	90.00	179.58	12,126.0	-8,575.0	-151.9	8,576.3	0.00	0.00	0.00
21,100.0	90.00	179.58	12,126.0	-8,675.0	-151.2	8,676.3	0.00	0.00	0.00
21,200.0	90.00	179.58	12,126.0	-8,775.0	-150.5	8,776.3	0.00	0.00	0.00
21,300.0	90.00	179.58	12,126.0	-8,875.0	-149.7	8,876.2	0.00	0.00	0.00
21,400.0	90.00	179.58	12,126.0	-8,975.0	-149.0	8,976.2	0.00	0.00	0.00
21,500.0	90.00	179.58	12,126.0	-9,075.0	-148.2	9,076.2	0.00	0.00	0.00
21,600.0	90.00	179.58	12,126.0	-9,175.0	-147.5	9,176.2	0.00	0.00	0.00
21,700.0	90.00	179.58	12,126.0	-9,275.0	-146.8	9,276.1	0.00	0.00	0.00
21,800.0	90.00	179.58	12,126.0	-9,375.0	-146.0	9,376.1	0.00	0.00	0.00
21,900.0	90.00	179.58	12,126.0	-9,475.0	-145.3	9,476.1	0.00	0.00	0.00
22,000.0	90.00	179.58	12,126.0	-9,575.0	-144.5	9,576.1	0.00	0.00	0.00
22,100.0	90.00	179.58	12,126.0	-9,675.0	-143.8	9,676.1	0.00	0.00	0.00
22,200.0	90.00	179.58	12,126.0	-9,775.0	-143.1	9,776.0	0.00	0.00	0.00
22,300.0	90.00	179.58	12,126.0	-9,875.0	-142.3	9,876.0	0.00	0.00	0.00
22,343.0	90.00	179.58	12,126.0	-9,918.0	-142.0	9,919.0	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Con 28 ST Com # - hit/miss target - Shape - Point	0.00	0.00	11,648.5	487.0	-219.0	435,767.00	775,321.00	32° 11' 44.658 N	103° 34' 36.901 W
FTP(Con 28 ST Com # - plan hits target center - Point	0.00	0.00	12,126.0	437.0	-219.0	435,717.00	775,321.00	32° 11' 44.164 N	103° 34' 36.905 W
PBHL(Con 28 ST Com # - plan hits target center - Point	0.00	0.01	12,126.0	-9,918.0	-142.0	425,362.00	775,398.00	32° 10' 1.693 N	103° 34' 36.857 W



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #606H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3546.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3546.0usft
Site:	Convoy 28 State Com	North Reference:	Grid
Well:	#606H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		