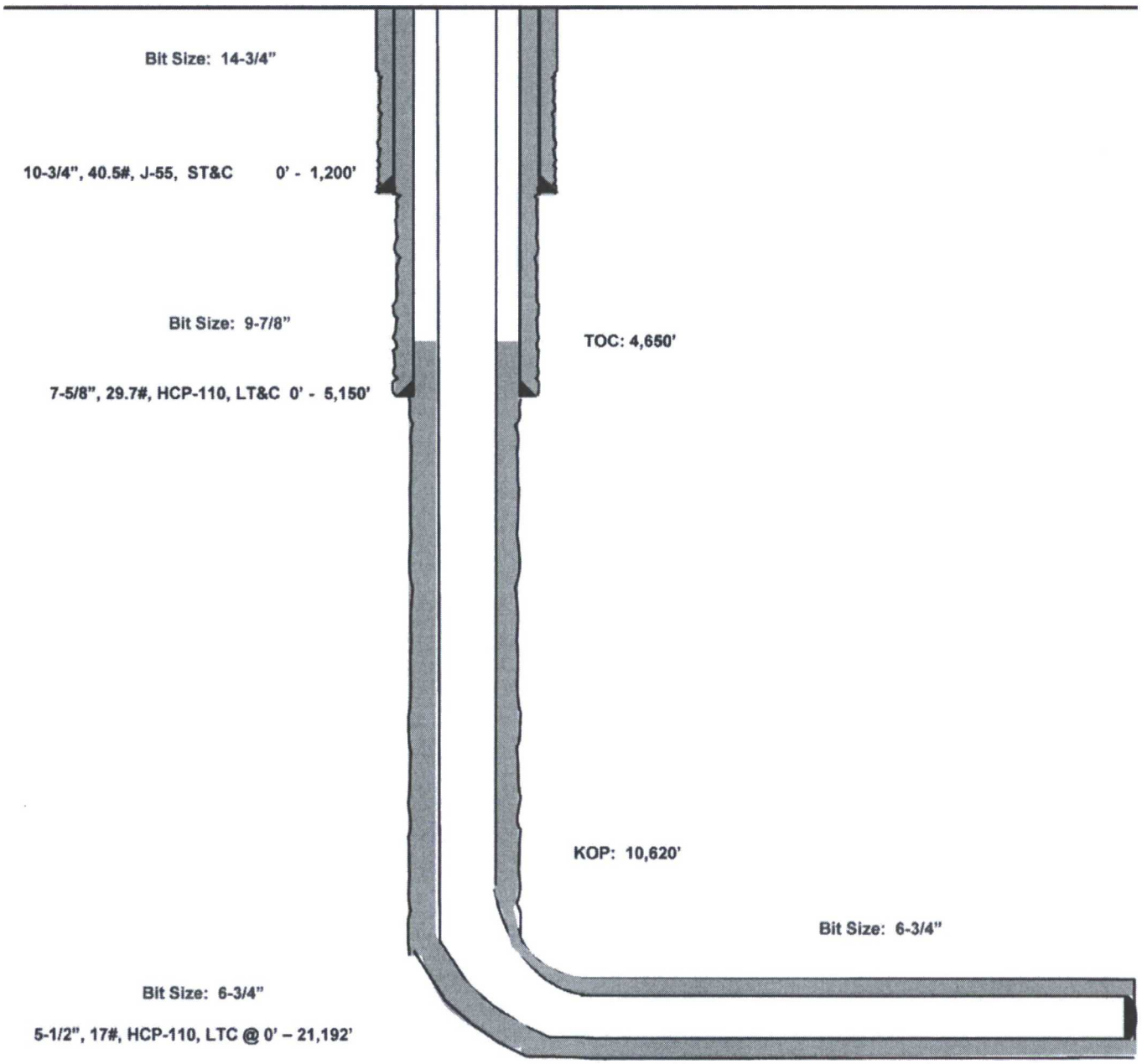
Convoy 28 State Com #501H

Lea County, New Mexico
Proposed Wellbore

598' FNL
1275' FEL
Section 28
T-24-S, R-33-E

API: 30-025-*****

KB: 3,549'
GL: 3,524'



Lateral: 21,192' MD, 11,110' TVD

BH Location: 230' FSL & 1275' FEL
Section 33
T-24-S, R-33-E

eog resources

Lea County, NM (NAD 27 NME)

Convoy 28 State Com #501H

Precision 612

Plan #0.1

Azimuths to Grid North
True North: -0.41°
Magnetic North: 6.58°

Magnetic Field
Strength: 47954.8snT
Dip Angle: 60.04°
Date: 2/13/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.58°
To convert a Magnetic Direction to a True Direction, Add 6.99° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #501H

Ground Level: 3524.0
KB = 25 @ 3549.0usft (Precision 612)

Northing	Easting	Latitude	Longitude
435186.00	735402.00	32° 11' 38.788 N	103° 34' 20.501 W

SECTION DETAILS

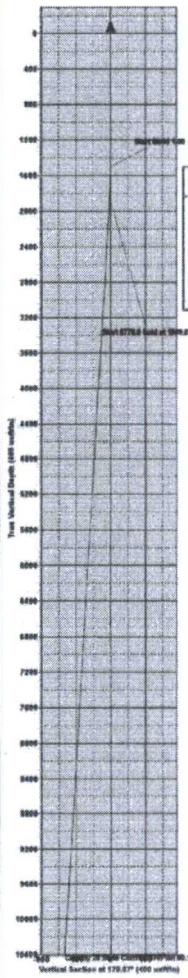
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	1849.0	3.49	359.57	1848.8	10.6	-0.1	1.00	359.57	-10.6	
4	10620.0	3.49	359.57	10603.5	544.5	-4.0	0.00	0.00	-544.6	
5	11399.0	90.00	179.58	11110.0	68.0	-0.5	12.00	-180.00	-68.0	
6	21192.3	90.00	179.58	11110.0	-9725.0	72.0	0.00	0.00	9725.3	PBHL(Con 28 ST Com #501H)

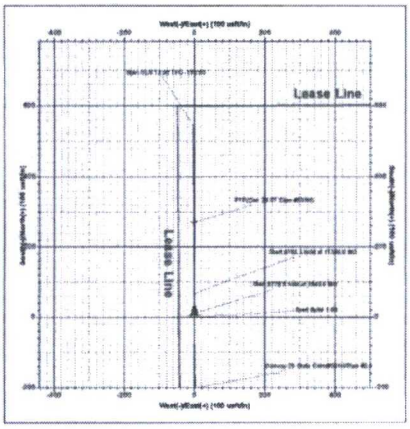
CASING DETAILS

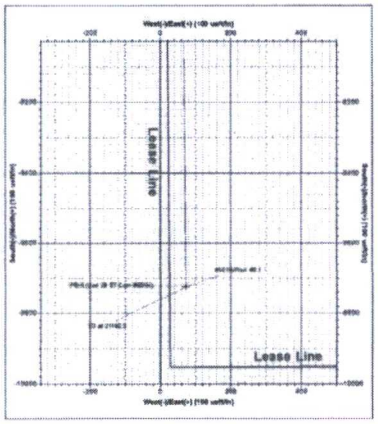
No casing data is available

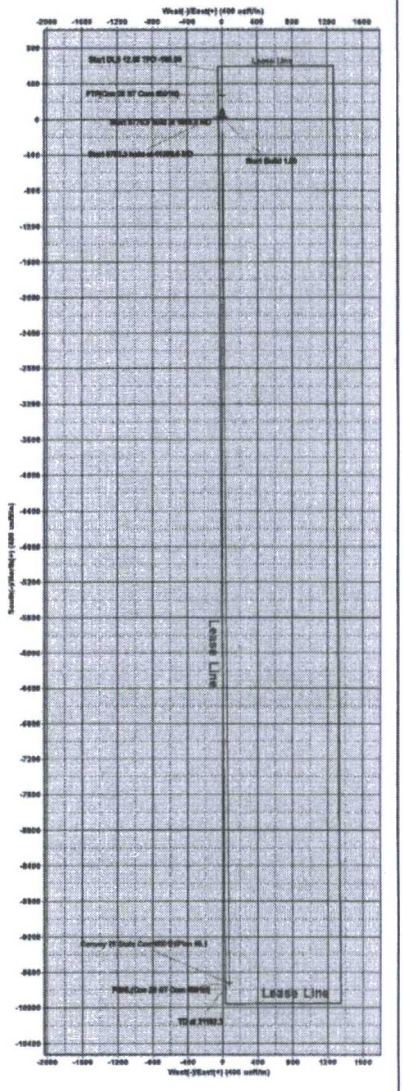
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

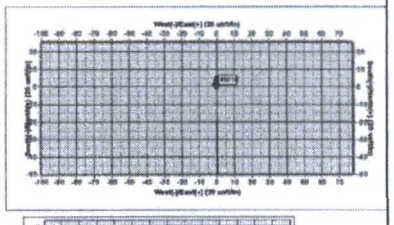
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP(Con 28 ST Com #501H)	11110.0	268.0	-2.0	435434.00	735400.00
PBHL(Con 28 ST Com #501H)	11110.0	-9725.0	72.0	425441.00	735474.00

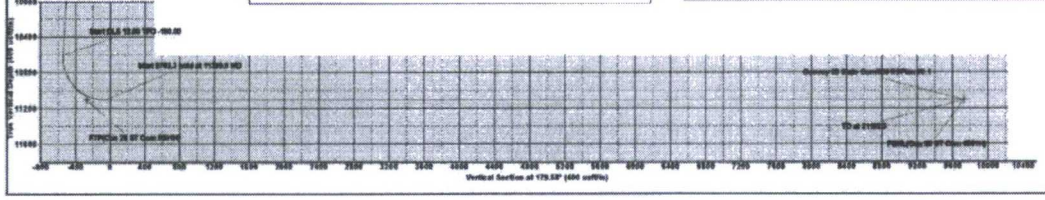


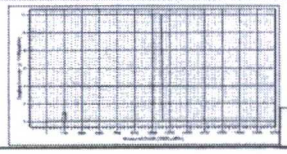












EOG Resources - Midland

Lea County, NM (NAD 27 NME)
Convoy 28 State Com
#501H

OH

Plan: Plan #0.1

Standard Planning Report

17 January, 2017

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #501H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3549.0usft (Precision 612)
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3549.0usft (Precision 612)
Site:	Convoy 28 State Com	**North Reference:**	Grid
Well:	#501H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Convoy 28 State Com				
Site Position:		**Northing:**	435,166.00 usft	**Latitude:**	32° 11' 38.755 N
From:	Map	**Easting:**	735,402.00 usft	**Longitude:**	103° 34' 20.501 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.41 °

Well	#501H					
Well Position	**+N/-S**	0.0 usft	**Northing:**	435,166.00 usft	**Latitude:**	32° 11' 38.755 N
	+E/-W	0.0 usft	**Easting:**	735,402.00 usft	**Longitude:**	103° 34' 20.501 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	0.0 usft	**Ground Level:**	3,524.0 usft

Wellbore	OH			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	2/13/2017	6.99	60.04	47,955

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	179.58

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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,849.0	3.49	359.57	1,848.8	10.6	-0.1	1.00	1.00	0.00	359.57	
10,620.0	3.49	359.57	10,603.5	544.5	-4.0	0.00	0.00	0.00	0.00	
11,399.0	90.00	179.58	11,110.0	68.0	-0.5	12.00	11.10	-23.10	-180.00	
21,192.3	90.00	179.58	11,110.0	-9,725.0	72.0	0.00	0.00	0.00	0.00	PBHL(Con 28 ST Cor

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #501H
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Site:	Convoy 28 State Com	**North Reference:**	Grid
Well:	#501H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	1.00	359.57	1,600.0	0.9	0.0	-0.9	1.00	1.00	0.00
1,700.0	2.00	359.57	1,700.0	3.5	0.0	-3.5	1.00	1.00	0.00
1,800.0	3.00	359.57	1,799.9	7.9	-0.1	-7.9	1.00	1.00	0.00
1,849.0	3.49	359.57	1,848.8	10.6	-0.1	-10.6	1.00	1.00	0.00
1,900.0	3.49	359.57	1,899.7	13.7	-0.1	-13.7	0.00	0.00	0.00
2,000.0	3.49	359.57	1,999.5	19.8	-0.1	-19.8	0.00	0.00	0.00
2,100.0	3.49	359.57	2,099.3	25.9	-0.2	-25.9	0.00	0.00	0.00
2,200.0	3.49	359.57	2,199.1	32.0	-0.2	-32.0	0.00	0.00	0.00
2,300.0	3.49	359.57	2,298.9	38.1	-0.3	-38.1	0.00	0.00	0.00
2,400.0	3.49	359.57	2,398.8	44.2	-0.3	-44.2	0.00	0.00	0.00
2,500.0	3.49	359.57	2,498.6	50.3	-0.4	-50.3	0.00	0.00	0.00
2,600.0	3.49	359.57	2,598.4	56.3	-0.4	-56.3	0.00	0.00	0.00
2,700.0	3.49	359.57	2,698.2	62.4	-0.5	-62.4	0.00	0.00	0.00
2,800.0	3.49	359.57	2,798.0	68.5	-0.5	-68.5	0.00	0.00	0.00
2,900.0	3.49	359.57	2,897.8	74.6	-0.6	-74.6	0.00	0.00	0.00
3,000.0	3.49	359.57	2,997.6	80.7	-0.6	-80.7	0.00	0.00	0.00
3,100.0	3.49	359.57	3,097.5	86.8	-0.6	-86.8	0.00	0.00	0.00
3,200.0	3.49	359.57	3,197.3	92.9	-0.7	-92.9	0.00	0.00	0.00
3,300.0	3.49	359.57	3,297.1	99.0	-0.7	-99.0	0.00	0.00	0.00
3,400.0	3.49	359.57	3,396.9	105.0	-0.8	-105.0	0.00	0.00	0.00
3,500.0	3.49	359.57	3,496.7	111.1	-0.8	-111.1	0.00	0.00	0.00
3,600.0	3.49	359.57	3,596.5	117.2	-0.9	-117.2	0.00	0.00	0.00
3,700.0	3.49	359.57	3,696.4	123.3	-0.9	-123.3	0.00	0.00	0.00
3,800.0	3.49	359.57	3,796.2	129.4	-1.0	-129.4	0.00	0.00	0.00
3,900.0	3.49	359.57	3,896.0	135.5	-1.0	-135.5	0.00	0.00	0.00
4,000.0	3.49	359.57	3,995.8	141.6	-1.1	-141.6	0.00	0.00	0.00
4,100.0	3.49	359.57	4,095.6	147.7	-1.1	-147.7	0.00	0.00	0.00
4,200.0	3.49	359.57	4,195.4	153.7	-1.1	-153.7	0.00	0.00	0.00
4,300.0	3.49	359.57	4,295.2	159.8	-1.2	-159.8	0.00	0.00	0.00
4,400.0	3.49	359.57	4,395.1	165.9	-1.2	-165.9	0.00	0.00	0.00
4,500.0	3.49	359.57	4,494.9	172.0	-1.3	-172.0	0.00	0.00	0.00
4,600.0	3.49	359.57	4,594.7	178.1	-1.3	-178.1	0.00	0.00	0.00
4,700.0	3.49	359.57	4,694.5	184.2	-1.4	-184.2	0.00	0.00	0.00
4,800.0	3.49	359.57	4,794.3	190.3	-1.4	-190.3	0.00	0.00	0.00
4,900.0	3.49	359.57	4,894.1	196.4	-1.5	-196.4	0.00	0.00	0.00
5,000.0	3.49	359.57	4,993.9	202.4	-1.5	-202.4	0.00	0.00	0.00
5,100.0	3.49	359.57	5,093.8	208.5	-1.5	-208.5	0.00	0.00	0.00
5,200.0	3.49	359.57	5,193.6	214.6	-1.6	-214.6	0.00	0.00	0.00

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Site:	Convoy 28 State Com	**North Reference:**	Grid
Well:	#501H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	3.49	359.57	5,293.4	220.7	-1.6	-220.7	0.00	0.00	0.00
5,400.0	3.49	359.57	5,393.2	226.8	-1.7	-226.8	0.00	0.00	0.00
5,500.0	3.49	359.57	5,493.0	232.9	-1.7	-232.9	0.00	0.00	0.00
5,600.0	3.49	359.57	5,592.8	239.0	-1.8	-239.0	0.00	0.00	0.00
5,700.0	3.49	359.57	5,692.6	245.1	-1.8	-245.1	0.00	0.00	0.00
5,800.0	3.49	359.57	5,792.5	251.1	-1.9	-251.1	0.00	0.00	0.00
5,900.0	3.49	359.57	5,892.3	257.2	-1.9	-257.2	0.00	0.00	0.00
6,000.0	3.49	359.57	5,992.1	263.3	-2.0	-263.3	0.00	0.00	0.00
6,100.0	3.49	359.57	6,091.9	269.4	-2.0	-269.4	0.00	0.00	0.00
6,200.0	3.49	359.57	6,191.7	275.5	-2.0	-275.5	0.00	0.00	0.00
6,300.0	3.49	359.57	6,291.5	281.6	-2.1	-281.6	0.00	0.00	0.00
6,400.0	3.49	359.57	6,391.3	287.7	-2.1	-287.7	0.00	0.00	0.00
6,500.0	3.49	359.57	6,491.2	293.8	-2.2	-293.8	0.00	0.00	0.00
6,600.0	3.49	359.57	6,591.0	299.8	-2.2	-299.8	0.00	0.00	0.00
6,700.0	3.49	359.57	6,690.8	305.9	-2.3	-305.9	0.00	0.00	0.00
6,800.0	3.49	359.57	6,790.6	312.0	-2.3	-312.0	0.00	0.00	0.00
6,900.0	3.49	359.57	6,890.4	318.1	-2.4	-318.1	0.00	0.00	0.00
7,000.0	3.49	359.57	6,990.2	324.2	-2.4	-324.2	0.00	0.00	0.00
7,100.0	3.49	359.57	7,090.0	330.3	-2.5	-330.3	0.00	0.00	0.00
7,200.0	3.49	359.57	7,189.9	336.4	-2.5	-336.4	0.00	0.00	0.00
7,300.0	3.49	359.57	7,289.7	342.4	-2.5	-342.5	0.00	0.00	0.00
7,400.0	3.49	359.57	7,389.5	348.5	-2.6	-348.5	0.00	0.00	0.00
7,500.0	3.49	359.57	7,489.3	354.6	-2.6	-354.6	0.00	0.00	0.00
7,600.0	3.49	359.57	7,589.1	360.7	-2.7	-360.7	0.00	0.00	0.00
7,700.0	3.49	359.57	7,688.9	366.8	-2.7	-366.8	0.00	0.00	0.00
7,800.0	3.49	359.57	7,788.7	372.9	-2.8	-372.9	0.00	0.00	0.00
7,900.0	3.49	359.57	7,888.6	379.0	-2.8	-379.0	0.00	0.00	0.00
8,000.0	3.49	359.57	7,988.4	385.1	-2.9	-385.1	0.00	0.00	0.00
8,100.0	3.49	359.57	8,088.2	391.1	-2.9	-391.2	0.00	0.00	0.00
8,200.0	3.49	359.57	8,188.0	397.2	-3.0	-397.2	0.00	0.00	0.00
8,300.0	3.49	359.57	8,287.8	403.3	-3.0	-403.3	0.00	0.00	0.00
8,400.0	3.49	359.57	8,387.6	409.4	-3.0	-409.4	0.00	0.00	0.00
8,500.0	3.49	359.57	8,487.4	415.5	-3.1	-415.5	0.00	0.00	0.00
8,600.0	3.49	359.57	8,587.3	421.6	-3.1	-421.6	0.00	0.00	0.00
8,700.0	3.49	359.57	8,687.1	427.7	-3.2	-427.7	0.00	0.00	0.00
8,800.0	3.49	359.57	8,786.9	433.8	-3.2	-433.8	0.00	0.00	0.00
8,900.0	3.49	359.57	8,886.7	439.8	-3.3	-439.9	0.00	0.00	0.00
9,000.0	3.49	359.57	8,986.5	445.9	-3.3	-445.9	0.00	0.00	0.00
9,100.0	3.49	359.57	9,086.3	452.0	-3.4	-452.0	0.00	0.00	0.00
9,200.0	3.49	359.57	9,186.2	458.1	-3.4	-458.1	0.00	0.00	0.00
9,300.0	3.49	359.57	9,286.0	464.2	-3.4	-464.2	0.00	0.00	0.00
9,400.0	3.49	359.57	9,385.8	470.3	-3.5	-470.3	0.00	0.00	0.00
9,500.0	3.49	359.57	9,485.6	476.4	-3.5	-476.4	0.00	0.00	0.00
9,600.0	3.49	359.57	9,585.4	482.5	-3.6	-482.5	0.00	0.00	0.00
9,700.0	3.49	359.57	9,685.2	488.5	-3.6	-488.6	0.00	0.00	0.00
9,800.0	3.49	359.57	9,785.0	494.6	-3.7	-494.6	0.00	0.00	0.00
9,900.0	3.49	359.57	9,884.9	500.7	-3.7	-500.7	0.00	0.00	0.00
10,000.0	3.49	359.57	9,984.7	506.8	-3.8	-506.8	0.00	0.00	0.00
10,100.0	3.49	359.57	10,084.5	512.9	-3.8	-512.9	0.00	0.00	0.00
10,200.0	3.49	359.57	10,184.3	519.0	-3.9	-519.0	0.00	0.00	0.00
10,300.0	3.49	359.57	10,284.1	525.1	-3.9	-525.1	0.00	0.00	0.00
10,400.0	3.49	359.57	10,383.9	531.2	-3.9	-531.2	0.00	0.00	0.00
10,500.0	3.49	359.57	10,483.7	537.2	-4.0	-537.3	0.00	0.00	0.00
10,600.0	3.49	359.57	10,583.6	543.3	-4.0	-543.3	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #501H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3549.0usft (Precision 612)
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3549.0usft (Precision 612)
Site:	Convoy 28 State Com	**North Reference:**	Grid
Well:	#501H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
10,620.0	3.49	359.57	10,603.5	544.5	-4.0	-544.6	0.00	0.00	0.00
10,625.0	2.88	359.57	10,608.5	544.8	-4.0	-544.8	12.00	-12.00	-0.01
10,650.0	0.12	179.62	10,633.5	545.4	-4.1	-545.4	12.00	-11.07	-719.81
10,675.0	3.12	179.58	10,658.5	544.7	-4.0	-544.7	12.00	12.00	-0.18
10,700.0	6.12	179.58	10,683.4	542.7	-4.0	-542.7	12.00	12.00	0.00
10,725.0	9.12	179.58	10,708.2	539.4	-4.0	-539.4	12.00	12.00	0.00
10,750.0	12.12	179.58	10,732.7	534.8	-4.0	-534.8	12.00	12.00	0.00
10,775.0	15.12	179.58	10,757.0	528.9	-3.9	-528.9	12.00	12.00	0.00
10,800.0	18.12	179.58	10,781.0	521.8	-3.9	-521.8	12.00	12.00	0.00
10,825.0	21.12	179.58	10,804.5	513.4	-3.8	-513.4	12.00	12.00	0.00
10,850.0	24.12	179.58	10,827.6	503.8	-3.7	-503.8	12.00	12.00	0.00
10,875.0	27.12	179.58	10,850.2	493.0	-3.7	-493.0	12.00	12.00	0.00
10,900.0	30.12	179.58	10,872.1	481.0	-3.6	-481.0	12.00	12.00	0.00
10,925.0	33.12	179.58	10,893.4	467.9	-3.5	-467.9	12.00	12.00	0.00
10,950.0	36.12	179.58	10,914.0	453.7	-3.4	-453.7	12.00	12.00	0.00
10,975.0	39.12	179.58	10,933.8	438.4	-3.3	-438.4	12.00	12.00	0.00
11,000.0	42.12	179.58	10,952.7	422.2	-3.1	-422.2	12.00	12.00	0.00
11,025.0	45.12	179.58	10,970.8	404.9	-3.0	-404.9	12.00	12.00	0.00
11,050.0	48.12	179.58	10,988.0	386.7	-2.9	-386.8	12.00	12.00	0.00
11,075.0	51.12	179.58	11,004.2	367.7	-2.7	-367.7	12.00	12.00	0.00
11,100.0	54.12	179.58	11,019.4	347.8	-2.6	-347.9	12.00	12.00	0.00
11,125.0	57.12	179.58	11,033.5	327.2	-2.4	-327.2	12.00	12.00	0.00
11,150.0	60.12	179.58	11,046.5	305.9	-2.3	-305.9	12.00	12.00	0.00
11,175.0	63.12	179.58	11,058.4	283.9	-2.1	-283.9	12.00	12.00	0.00
11,200.0	66.12	179.58	11,069.1	261.3	-2.0	-261.3	12.00	12.00	0.00
11,209.4	67.24	179.58	11,072.8	252.7	-1.9	-252.7	12.00	12.00	0.00
FTP(Con 28 ST Com #501H)									
11,225.0	69.12	179.58	11,078.6	238.2	-1.8	-238.2	12.00	12.00	0.00
11,250.0	72.12	179.58	11,086.9	214.6	-1.6	-214.6	12.00	12.00	0.00
11,275.0	75.12	179.58	11,094.0	190.6	-1.4	-190.6	12.00	12.00	0.00
11,300.0	78.12	179.58	11,099.8	166.3	-1.2	-166.3	12.00	12.00	0.00
11,325.0	81.12	179.58	11,104.3	141.7	-1.1	-141.7	12.00	12.00	0.00
11,350.0	84.12	179.58	11,107.5	116.9	-0.9	-116.9	12.00	12.00	0.00
11,375.0	87.12	179.58	11,109.4	92.0	-0.7	-92.0	12.00	12.00	0.00
11,399.0	90.00	179.58	11,110.0	68.0	-0.5	-68.0	12.00	12.00	0.00
11,500.0	90.00	179.58	11,110.0	-33.0	0.2	33.0	0.00	0.00	0.00
11,600.0	90.00	179.58	11,110.0	-133.0	1.0	133.0	0.00	0.00	0.00
11,700.0	90.00	179.58	11,110.0	-233.0	1.7	233.0	0.00	0.00	0.00
11,800.0	90.00	179.58	11,110.0	-333.0	2.5	333.0	0.00	0.00	0.00
11,900.0	90.00	179.58	11,110.0	-433.0	3.2	433.0	0.00	0.00	0.00
12,000.0	90.00	179.58	11,110.0	-533.0	3.9	533.0	0.00	0.00	0.00
12,100.0	90.00	179.58	11,110.0	-633.0	4.7	633.0	0.00	0.00	0.00
12,200.0	90.00	179.58	11,110.0	-733.0	5.4	733.0	0.00	0.00	0.00
12,300.0	90.00	179.58	11,110.0	-833.0	6.2	833.0	0.00	0.00	0.00
12,400.0	90.00	179.58	11,110.0	-933.0	6.9	933.0	0.00	0.00	0.00
12,500.0	90.00	179.58	11,110.0	-1,033.0	7.6	1,033.0	0.00	0.00	0.00
12,600.0	90.00	179.58	11,110.0	-1,132.9	8.4	1,133.0	0.00	0.00	0.00
12,700.0	90.00	179.58	11,110.0	-1,232.9	9.1	1,233.0	0.00	0.00	0.00
12,800.0	90.00	179.58	11,110.0	-1,332.9	9.9	1,333.0	0.00	0.00	0.00
12,900.0	90.00	179.58	11,110.0	-1,432.9	10.6	1,433.0	0.00	0.00	0.00
13,000.0	90.00	179.58	11,110.0	-1,532.9	11.3	1,533.0	0.00	0.00	0.00
13,100.0	90.00	179.58	11,110.0	-1,632.9	12.1	1,633.0	0.00	0.00	0.00
13,200.0	90.00	179.58	11,110.0	-1,732.9	12.8	1,733.0	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #501H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3549.0usft (Precision 612)
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3549.0usft (Precision 612)
Site:	Convoy 28 State Com	**North Reference:**	Grid
Well:	#501H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	179.58	11,110.0	-1,832.9	13.6	1,833.0	0.00	0.00	0.00
13,400.0	90.00	179.58	11,110.0	-1,932.9	14.3	1,933.0	0.00	0.00	0.00
13,500.0	90.00	179.58	11,110.0	-2,032.9	15.0	2,033.0	0.00	0.00	0.00
13,600.0	90.00	179.58	11,110.0	-2,132.9	15.8	2,133.0	0.00	0.00	0.00
13,700.0	90.00	179.58	11,110.0	-2,232.9	16.5	2,233.0	0.00	0.00	0.00
13,800.0	90.00	179.58	11,110.0	-2,332.9	17.3	2,333.0	0.00	0.00	0.00
13,900.0	90.00	179.58	11,110.0	-2,432.9	18.0	2,433.0	0.00	0.00	0.00
14,000.0	90.00	179.58	11,110.0	-2,532.9	18.7	2,533.0	0.00	0.00	0.00
14,100.0	90.00	179.58	11,110.0	-2,632.9	19.5	2,633.0	0.00	0.00	0.00
14,200.0	90.00	179.58	11,110.0	-2,732.9	20.2	2,733.0	0.00	0.00	0.00
14,300.0	90.00	179.58	11,110.0	-2,832.9	21.0	2,833.0	0.00	0.00	0.00
14,400.0	90.00	179.58	11,110.0	-2,932.9	21.7	2,933.0	0.00	0.00	0.00
14,500.0	90.00	179.58	11,110.0	-3,032.9	22.4	3,033.0	0.00	0.00	0.00
14,600.0	90.00	179.58	11,110.0	-3,132.9	23.2	3,133.0	0.00	0.00	0.00
14,700.0	90.00	179.58	11,110.0	-3,232.9	23.9	3,233.0	0.00	0.00	0.00
14,800.0	90.00	179.58	11,110.0	-3,332.9	24.7	3,333.0	0.00	0.00	0.00
14,900.0	90.00	179.58	11,110.0	-3,432.9	25.4	3,433.0	0.00	0.00	0.00
15,000.0	90.00	179.58	11,110.0	-3,532.9	26.1	3,533.0	0.00	0.00	0.00
15,100.0	90.00	179.58	11,110.0	-3,632.9	26.9	3,633.0	0.00	0.00	0.00
15,200.0	90.00	179.58	11,110.0	-3,732.9	27.6	3,733.0	0.00	0.00	0.00
15,300.0	90.00	179.58	11,110.0	-3,832.9	28.4	3,833.0	0.00	0.00	0.00
15,400.0	90.00	179.58	11,110.0	-3,932.9	29.1	3,933.0	0.00	0.00	0.00
15,500.0	90.00	179.58	11,110.0	-4,032.9	29.8	4,033.0	0.00	0.00	0.00
15,600.0	90.00	179.58	11,110.0	-4,132.9	30.6	4,133.0	0.00	0.00	0.00
15,700.0	90.00	179.58	11,110.0	-4,232.9	31.3	4,233.0	0.00	0.00	0.00
15,800.0	90.00	179.58	11,110.0	-4,332.9	32.1	4,333.0	0.00	0.00	0.00
15,900.0	90.00	179.58	11,110.0	-4,432.9	32.8	4,433.0	0.00	0.00	0.00
16,000.0	90.00	179.58	11,110.0	-4,532.9	33.6	4,533.0	0.00	0.00	0.00
16,100.0	90.00	179.58	11,110.0	-4,632.9	34.3	4,633.0	0.00	0.00	0.00
16,200.0	90.00	179.58	11,110.0	-4,732.8	35.0	4,733.0	0.00	0.00	0.00
16,300.0	90.00	179.58	11,110.0	-4,832.8	35.8	4,833.0	0.00	0.00	0.00
16,400.0	90.00	179.58	11,110.0	-4,932.8	36.5	4,933.0	0.00	0.00	0.00
16,500.0	90.00	179.58	11,110.0	-5,032.8	37.3	5,033.0	0.00	0.00	0.00
16,600.0	90.00	179.58	11,110.0	-5,132.8	38.0	5,133.0	0.00	0.00	0.00
16,700.0	90.00	179.58	11,110.0	-5,232.8	38.7	5,233.0	0.00	0.00	0.00
16,800.0	90.00	179.58	11,110.0	-5,332.8	39.5	5,333.0	0.00	0.00	0.00
16,900.0	90.00	179.58	11,110.0	-5,432.8	40.2	5,433.0	0.00	0.00	0.00
17,000.0	90.00	179.58	11,110.0	-5,532.8	41.0	5,533.0	0.00	0.00	0.00
17,100.0	90.00	179.58	11,110.0	-5,632.8	41.7	5,633.0	0.00	0.00	0.00
17,200.0	90.00	179.58	11,110.0	-5,732.8	42.4	5,733.0	0.00	0.00	0.00
17,300.0	90.00	179.58	11,110.0	-5,832.8	43.2	5,833.0	0.00	0.00	0.00
17,400.0	90.00	179.58	11,110.0	-5,932.8	43.9	5,933.0	0.00	0.00	0.00
17,500.0	90.00	179.58	11,110.0	-6,032.8	44.7	6,033.0	0.00	0.00	0.00
17,600.0	90.00	179.58	11,110.0	-6,132.8	45.4	6,133.0	0.00	0.00	0.00
17,700.0	90.00	179.58	11,110.0	-6,232.8	46.1	6,233.0	0.00	0.00	0.00
17,800.0	90.00	179.58	11,110.0	-6,332.8	46.9	6,333.0	0.00	0.00	0.00
17,900.0	90.00	179.58	11,110.0	-6,432.8	47.6	6,433.0	0.00	0.00	0.00
18,000.0	90.00	179.58	11,110.0	-6,532.8	48.4	6,533.0	0.00	0.00	0.00
18,100.0	90.00	179.58	11,110.0	-6,632.8	49.1	6,633.0	0.00	0.00	0.00
18,200.0	90.00	179.58	11,110.0	-6,732.8	49.8	6,733.0	0.00	0.00	0.00
18,300.0	90.00	179.58	11,110.0	-6,832.8	50.6	6,833.0	0.00	0.00	0.00
18,400.0	90.00	179.58	11,110.0	-6,932.8	51.3	6,933.0	0.00	0.00	0.00
18,500.0	90.00	179.58	11,110.0	-7,032.8	52.1	7,033.0	0.00	0.00	0.00
18,600.0	90.00	179.58	11,110.0	-7,132.8	52.8	7,133.0	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #501H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3549.0usft (Precision 612)
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3549.0usft (Precision 612)
Site:	Convoy 28 State Com	**North Reference:**	Grid
Well:	#501H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
18,700.0	90.00	179.58	11,110.0	-7,232.8	53.5	7,233.0	0.00	0.00	0.00
18,800.0	90.00	179.58	11,110.0	-7,332.8	54.3	7,333.0	0.00	0.00	0.00
18,900.0	90.00	179.58	11,110.0	-7,432.8	55.0	7,433.0	0.00	0.00	0.00
19,000.0	90.00	179.58	11,110.0	-7,532.8	55.8	7,533.0	0.00	0.00	0.00
19,100.0	90.00	179.58	11,110.0	-7,632.8	56.5	7,633.0	0.00	0.00	0.00
19,200.0	90.00	179.58	11,110.0	-7,732.8	57.2	7,733.0	0.00	0.00	0.00
19,300.0	90.00	179.58	11,110.0	-7,832.8	58.0	7,833.0	0.00	0.00	0.00
19,400.0	90.00	179.58	11,110.0	-7,932.8	58.7	7,933.0	0.00	0.00	0.00
19,500.0	90.00	179.58	11,110.0	-8,032.8	59.5	8,033.0	0.00	0.00	0.00
19,600.0	90.00	179.58	11,110.0	-8,132.8	60.2	8,133.0	0.00	0.00	0.00
19,700.0	90.00	179.58	11,110.0	-8,232.8	60.9	8,233.0	0.00	0.00	0.00
19,800.0	90.00	179.58	11,110.0	-8,332.8	61.7	8,333.0	0.00	0.00	0.00
19,900.0	90.00	179.58	11,110.0	-8,432.7	62.4	8,433.0	0.00	0.00	0.00
20,000.0	90.00	179.58	11,110.0	-8,532.7	63.2	8,533.0	0.00	0.00	0.00
20,100.0	90.00	179.58	11,110.0	-8,632.7	63.9	8,633.0	0.00	0.00	0.00
20,200.0	90.00	179.58	11,110.0	-8,732.7	64.7	8,733.0	0.00	0.00	0.00
20,300.0	90.00	179.58	11,110.0	-8,832.7	65.4	8,833.0	0.00	0.00	0.00
20,400.0	90.00	179.58	11,110.0	-8,932.7	66.1	8,933.0	0.00	0.00	0.00
20,500.0	90.00	179.58	11,110.0	-9,032.7	66.9	9,033.0	0.00	0.00	0.00
20,600.0	90.00	179.58	11,110.0	-9,132.7	67.6	9,133.0	0.00	0.00	0.00
20,700.0	90.00	179.58	11,110.0	-9,232.7	68.4	9,233.0	0.00	0.00	0.00
20,800.0	90.00	179.58	11,110.0	-9,332.7	69.1	9,333.0	0.00	0.00	0.00
20,900.0	90.00	179.58	11,110.0	-9,432.7	69.8	9,433.0	0.00	0.00	0.00
21,000.0	90.00	179.58	11,110.0	-9,532.7	70.6	9,533.0	0.00	0.00	0.00
21,100.0	90.00	179.58	11,110.0	-9,632.7	71.3	9,633.0	0.00	0.00	0.00
21,192.3	90.00	179.58	11,110.0	-9,725.0	72.0	9,725.3	0.00	0.00	0.00
PBHL(Con 28 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(Con 28 ST Com #5 - plan misses target center by 40.2usft at 11209.4usft MD (11072.8 TVD, 252.7 N, -1.9 E) - Point	0.00	0.00	11,110.0	266.0	-2.0	435,434.00	735,400.00	32° 11' 41.408 N	103° 34' 20.502 W
PBHL(Con 28 ST Com # - plan hits target center - Point	0.00	0.00	11,110.0	-9,725.0	72.0	425,441.00	735,474.00	32° 10' 2.516 N	103° 34' 20.464 W