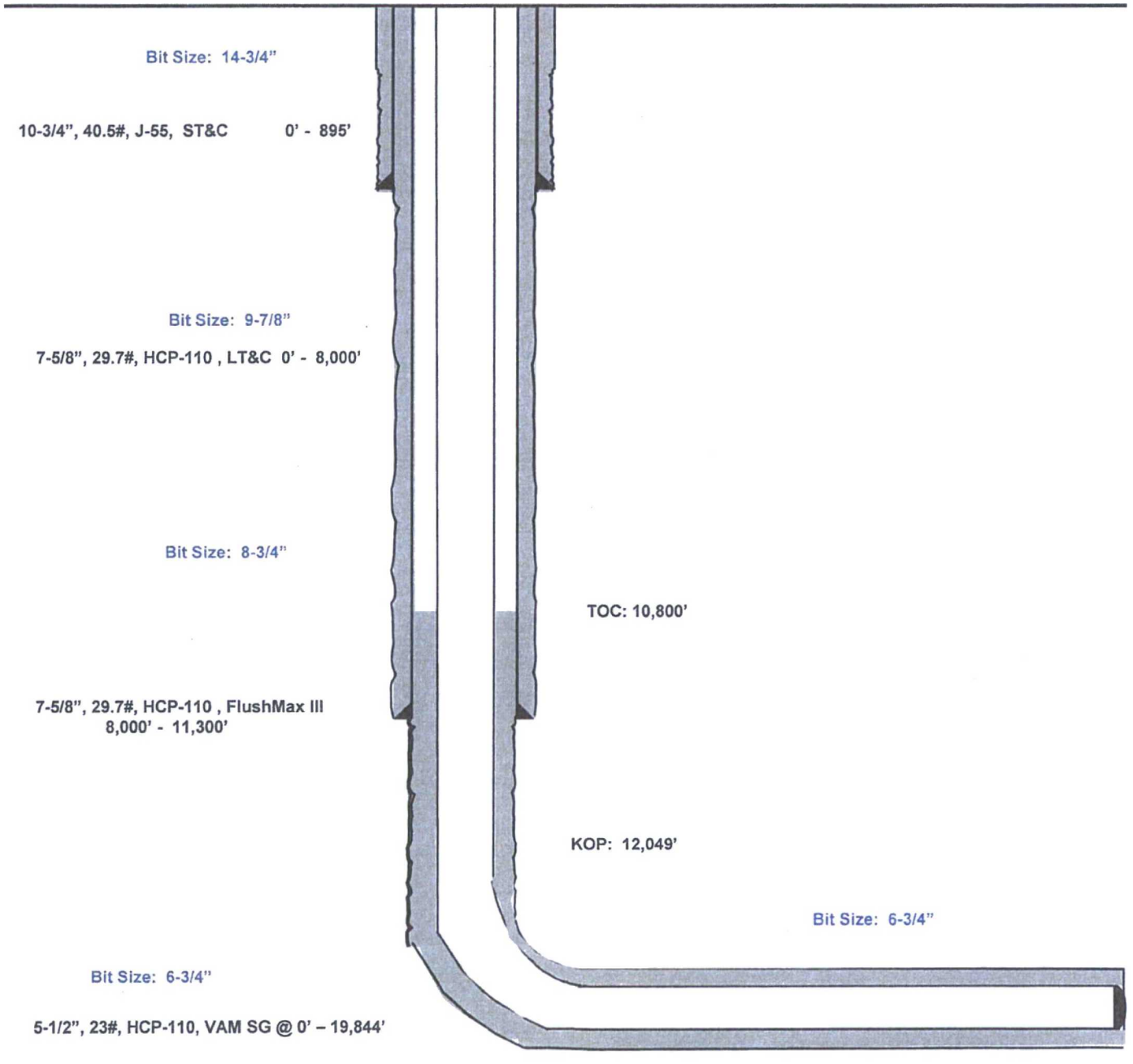
Endurance 36 State Com #708H

Lea County, New Mexico
Proposed Wellbore

404' FSL
2038' FEL
Section 36
T-26-S, R-33-E

API: 30-025-*****

KB: 3,376'
GL: 3,346'



Lateral: 19,844' MD, 12,530' TVD
Upper Most Perf:
330' FSL & 1648' FEL Sec. 36
Lower Most Perf:
330' FNL & 1651' FEL Sec. 25
BH Location: 230' FNL & 1651' FEL
Section 25
T-26-S, R-33-E

EOG Resources - Midland

Lea County, NM (NAD 27 NME)
Endurance 36 State Com
#708H

OH

Plan: Plan #0.1

Standard Planning Report

12 May, 2016

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #708H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3371.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3371.0usft
Site:	Endurance 36 State Com	**North Reference:**	Grid
Well:	#708H	**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 Endurance 36 State Com

Site Position:		**Northing:**	365,036.00 usft	**Latitude:**	32° 0' 3.760 N
From:	Map	**Easting:**	749,506.00 usft	**Longitude:**	103° 31' 42.470 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.43 °

Well #708H

Well Position	**+N/-S**	85.0 usft	**Northing:**	365,121.00 usft	**Latitude:**	32° 0' 4.491 N
	+E/-W	1,492.0 usft	**Easting:**	750,998.00 usft	**Longitude:**	103° 31' 25.138 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	0.0 usft	**Ground Level:**	3,346.0 usft

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	5/12/2016	7.03	59.88	47,924

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	2.66	

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	
248.9	2.49	133.14	248.8	-3.7	3.9	1.00	1.00	0.00	133.14	
12,049.7	2.49	133.14	12,038.5	-354.0	377.8	0.00	0.00	0.00	0.00	
12,814.0	90.00	359.53	12,530.0	123.3	389.4	12.00	11.45	-17.48	-133.58	
19,844.9	90.00	359.53	12,530.0	7,154.0	332.0	0.00	0.00	0.00	0.00	PBHL (End 36 ST CO

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Site:	Endurance 36 State Com	**North Reference:**	Grid
Well:	#708H	**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	1.00	133.14	100.0	-0.6	0.6	-0.6	1.00	1.00	0.00
200.0	2.00	133.14	200.0	-2.4	2.5	-2.3	1.00	1.00	0.00
248.9	2.49	133.14	248.8	-3.7	3.9	-3.5	1.00	1.00	0.00
300.0	2.49	133.14	299.9	-5.2	5.6	-4.9	0.00	0.00	0.00
400.0	2.49	133.14	399.8	-8.2	8.7	-7.8	0.00	0.00	0.00
500.0	2.49	133.14	499.7	-11.2	11.9	-10.6	0.00	0.00	0.00
600.0	2.49	133.14	599.6	-14.1	15.1	-13.4	0.00	0.00	0.00
700.0	2.49	133.14	699.5	-17.1	18.2	-16.2	0.00	0.00	0.00
800.0	2.49	133.14	799.4	-20.1	21.4	-19.0	0.00	0.00	0.00
900.0	2.49	133.14	899.3	-23.0	24.6	-21.9	0.00	0.00	0.00
1,000.0	2.49	133.14	999.2	-26.0	27.7	-24.7	0.00	0.00	0.00
1,100.0	2.49	133.14	1,099.1	-29.0	30.9	-27.5	0.00	0.00	0.00
1,200.0	2.49	133.14	1,199.0	-31.9	34.1	-30.3	0.00	0.00	0.00
1,300.0	2.49	133.14	1,298.9	-34.9	37.2	-33.1	0.00	0.00	0.00
1,400.0	2.49	133.14	1,398.8	-37.9	40.4	-36.0	0.00	0.00	0.00
1,500.0	2.49	133.14	1,498.7	-40.8	43.6	-38.8	0.00	0.00	0.00
1,600.0	2.49	133.14	1,598.6	-43.8	46.8	-41.6	0.00	0.00	0.00
1,700.0	2.49	133.14	1,698.6	-46.8	49.9	-44.4	0.00	0.00	0.00
1,800.0	2.49	133.14	1,798.5	-49.7	53.1	-47.2	0.00	0.00	0.00
1,900.0	2.49	133.14	1,898.4	-52.7	56.3	-50.0	0.00	0.00	0.00
2,000.0	2.49	133.14	1,998.3	-55.7	59.4	-52.9	0.00	0.00	0.00
2,100.0	2.49	133.14	2,098.2	-58.6	62.6	-55.7	0.00	0.00	0.00
2,200.0	2.49	133.14	2,198.1	-61.6	65.8	-58.5	0.00	0.00	0.00
2,300.0	2.49	133.14	2,298.0	-64.6	68.9	-61.3	0.00	0.00	0.00
2,400.0	2.49	133.14	2,397.9	-67.6	72.1	-64.1	0.00	0.00	0.00
2,500.0	2.49	133.14	2,497.8	-70.5	75.3	-67.0	0.00	0.00	0.00
2,600.0	2.49	133.14	2,597.7	-73.5	78.4	-69.8	0.00	0.00	0.00
2,700.0	2.49	133.14	2,697.6	-76.5	81.6	-72.6	0.00	0.00	0.00
2,800.0	2.49	133.14	2,797.5	-79.4	84.8	-75.4	0.00	0.00	0.00
2,900.0	2.49	133.14	2,897.4	-82.4	87.9	-78.2	0.00	0.00	0.00
3,000.0	2.49	133.14	2,997.3	-85.4	91.1	-81.1	0.00	0.00	0.00
3,100.0	2.49	133.14	3,097.2	-88.3	94.3	-83.9	0.00	0.00	0.00
3,200.0	2.49	133.14	3,197.1	-91.3	97.4	-86.7	0.00	0.00	0.00
3,300.0	2.49	133.14	3,297.0	-94.3	100.6	-89.5	0.00	0.00	0.00
3,400.0	2.49	133.14	3,397.0	-97.2	103.8	-92.3	0.00	0.00	0.00
3,500.0	2.49	133.14	3,496.9	-100.2	107.0	-95.1	0.00	0.00	0.00
3,600.0	2.49	133.14	3,596.8	-103.2	110.1	-98.0	0.00	0.00	0.00
3,700.0	2.49	133.14	3,696.7	-106.1	113.3	-100.8	0.00	0.00	0.00
3,800.0	2.49	133.14	3,796.6	-109.1	116.5	-103.6	0.00	0.00	0.00
3,900.0	2.49	133.14	3,896.5	-112.1	119.6	-106.4	0.00	0.00	0.00
4,000.0	2.49	133.14	3,996.4	-115.1	122.8	-109.2	0.00	0.00	0.00
4,100.0	2.49	133.14	4,096.3	-118.0	126.0	-112.1	0.00	0.00	0.00
4,200.0	2.49	133.14	4,196.2	-121.0	129.1	-114.9	0.00	0.00	0.00
4,300.0	2.49	133.14	4,296.1	-124.0	132.3	-117.7	0.00	0.00	0.00
4,400.0	2.49	133.14	4,396.0	-126.9	135.5	-120.5	0.00	0.00	0.00
4,500.0	2.49	133.14	4,495.9	-129.9	138.6	-123.3	0.00	0.00	0.00
4,600.0	2.49	133.14	4,595.8	-132.9	141.8	-126.2	0.00	0.00	0.00
4,700.0	2.49	133.14	4,695.7	-135.8	145.0	-129.0	0.00	0.00	0.00
4,800.0	2.49	133.14	4,795.6	-138.8	148.1	-131.8	0.00	0.00	0.00
4,900.0	2.49	133.14	4,895.5	-141.8	151.3	-134.6	0.00	0.00	0.00
5,000.0	2.49	133.14	4,995.4	-144.7	154.5	-137.4	0.00	0.00	0.00
5,100.0	2.49	133.14	5,095.3	-147.7	157.6	-140.2	0.00	0.00	0.00
5,200.0	2.49	133.14	5,195.3	-150.7	160.8	-143.1	0.00	0.00	0.00

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Site:	Endurance 36 State Com	**North Reference:**	Grid
Well:	#708H	**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	2.49	133.14	5,295.2	-153.6	164.0	-145.9	0.00	0.00	0.00
5,400.0	2.49	133.14	5,395.1	-156.6	167.2	-148.7	0.00	0.00	0.00
5,500.0	2.49	133.14	5,495.0	-159.6	170.3	-151.5	0.00	0.00	0.00
5,600.0	2.49	133.14	5,594.9	-162.6	173.5	-154.3	0.00	0.00	0.00
5,700.0	2.49	133.14	5,694.8	-165.5	176.7	-157.2	0.00	0.00	0.00
5,800.0	2.49	133.14	5,794.7	-168.5	179.8	-160.0	0.00	0.00	0.00
5,900.0	2.49	133.14	5,894.6	-171.5	183.0	-162.8	0.00	0.00	0.00
6,000.0	2.49	133.14	5,994.5	-174.4	186.2	-165.6	0.00	0.00	0.00
6,100.0	2.49	133.14	6,094.4	-177.4	189.3	-168.4	0.00	0.00	0.00
6,200.0	2.49	133.14	6,194.3	-180.4	192.5	-171.2	0.00	0.00	0.00
6,300.0	2.49	133.14	6,294.2	-183.3	195.7	-174.1	0.00	0.00	0.00
6,400.0	2.49	133.14	6,394.1	-186.3	198.8	-176.9	0.00	0.00	0.00
6,500.0	2.49	133.14	6,494.0	-189.3	202.0	-179.7	0.00	0.00	0.00
6,600.0	2.49	133.14	6,593.9	-192.2	205.2	-182.5	0.00	0.00	0.00
6,700.0	2.49	133.14	6,693.8	-195.2	208.3	-185.3	0.00	0.00	0.00
6,800.0	2.49	133.14	6,793.7	-198.2	211.5	-188.2	0.00	0.00	0.00
6,900.0	2.49	133.14	6,893.6	-201.1	214.7	-191.0	0.00	0.00	0.00
7,000.0	2.49	133.14	6,993.6	-204.1	217.8	-193.8	0.00	0.00	0.00
7,100.0	2.49	133.14	7,093.5	-207.1	221.0	-196.6	0.00	0.00	0.00
7,200.0	2.49	133.14	7,193.4	-210.1	224.2	-199.4	0.00	0.00	0.00
7,300.0	2.49	133.14	7,293.3	-213.0	227.4	-202.3	0.00	0.00	0.00
7,400.0	2.49	133.14	7,393.2	-216.0	230.5	-205.1	0.00	0.00	0.00
7,500.0	2.49	133.14	7,493.1	-219.0	233.7	-207.9	0.00	0.00	0.00
7,600.0	2.49	133.14	7,593.0	-221.9	236.9	-210.7	0.00	0.00	0.00
7,700.0	2.49	133.14	7,692.9	-224.9	240.0	-213.5	0.00	0.00	0.00
7,800.0	2.49	133.14	7,792.8	-227.9	243.2	-216.3	0.00	0.00	0.00
7,900.0	2.49	133.14	7,892.7	-230.8	246.4	-219.2	0.00	0.00	0.00
8,000.0	2.49	133.14	7,992.6	-233.8	249.5	-222.0	0.00	0.00	0.00
8,100.0	2.49	133.14	8,092.5	-236.8	252.7	-224.8	0.00	0.00	0.00
8,200.0	2.49	133.14	8,192.4	-239.7	255.9	-227.6	0.00	0.00	0.00
8,300.0	2.49	133.14	8,292.3	-242.7	259.0	-230.4	0.00	0.00	0.00
8,400.0	2.49	133.14	8,392.2	-245.7	262.2	-233.3	0.00	0.00	0.00
8,500.0	2.49	133.14	8,492.1	-248.6	265.4	-236.1	0.00	0.00	0.00
8,600.0	2.49	133.14	8,592.0	-251.6	268.5	-238.9	0.00	0.00	0.00
8,700.0	2.49	133.14	8,692.0	-254.6	271.7	-241.7	0.00	0.00	0.00
8,800.0	2.49	133.14	8,791.9	-257.6	274.9	-244.5	0.00	0.00	0.00
8,900.0	2.49	133.14	8,891.8	-260.5	278.0	-247.4	0.00	0.00	0.00
9,000.0	2.49	133.14	8,991.7	-263.5	281.2	-250.2	0.00	0.00	0.00
9,100.0	2.49	133.14	9,091.6	-266.5	284.4	-253.0	0.00	0.00	0.00
9,200.0	2.49	133.14	9,191.5	-269.4	287.6	-255.8	0.00	0.00	0.00
9,300.0	2.49	133.14	9,291.4	-272.4	290.7	-258.6	0.00	0.00	0.00
9,400.0	2.49	133.14	9,391.3	-275.4	293.9	-261.4	0.00	0.00	0.00
9,500.0	2.49	133.14	9,491.2	-278.3	297.1	-264.3	0.00	0.00	0.00
9,600.0	2.49	133.14	9,591.1	-281.3	300.2	-267.1	0.00	0.00	0.00
9,700.0	2.49	133.14	9,691.0	-284.3	303.4	-269.9	0.00	0.00	0.00
9,800.0	2.49	133.14	9,790.9	-287.2	306.6	-272.7	0.00	0.00	0.00
9,900.0	2.49	133.14	9,890.8	-290.2	309.7	-275.5	0.00	0.00	0.00
10,000.0	2.49	133.14	9,990.7	-293.2	312.9	-278.4	0.00	0.00	0.00
10,100.0	2.49	133.14	10,090.6	-296.1	316.1	-281.2	0.00	0.00	0.00
10,200.0	2.49	133.14	10,190.5	-299.1	319.2	-284.0	0.00	0.00	0.00
10,300.0	2.49	133.14	10,290.4	-302.1	322.4	-286.8	0.00	0.00	0.00
10,400.0	2.49	133.14	10,390.3	-305.1	325.6	-289.6	0.00	0.00	0.00
10,500.0	2.49	133.14	10,490.3	-308.0	328.7	-292.5	0.00	0.00	0.00
10,600.0	2.49	133.14	10,590.2	-311.0	331.9	-295.3	0.00	0.00	0.00

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Site:	Endurance 36 State Com	**North Reference:**	Grid
Well:	#708H	**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)
10,700.0	2.49	133.14	10,690.1	-314.0	335.1	-298.1	0.00	0.00	0.00
10,800.0	2.49	133.14	10,790.0	-316.9	338.2	-300.9	0.00	0.00	0.00
10,900.0	2.49	133.14	10,889.9	-319.9	341.4	-303.7	0.00	0.00	0.00
11,000.0	2.49	133.14	10,989.8	-322.9	344.6	-306.5	0.00	0.00	0.00
11,100.0	2.49	133.14	11,089.7	-325.8	347.8	-309.4	0.00	0.00	0.00
11,200.0	2.49	133.14	11,189.6	-328.8	350.9	-312.2	0.00	0.00	0.00
11,300.0	2.49	133.14	11,289.5	-331.8	354.1	-315.0	0.00	0.00	0.00
11,400.0	2.49	133.14	11,389.4	-334.7	357.3	-317.8	0.00	0.00	0.00
11,500.0	2.49	133.14	11,489.3	-337.7	360.4	-320.6	0.00	0.00	0.00
11,600.0	2.49	133.14	11,589.2	-340.7	363.6	-323.5	0.00	0.00	0.00
11,700.0	2.49	133.14	11,689.1	-343.6	366.8	-326.3	0.00	0.00	0.00
11,800.0	2.49	133.14	11,789.0	-346.6	369.9	-329.1	0.00	0.00	0.00
11,900.0	2.49	133.14	11,888.9	-349.6	373.1	-331.9	0.00	0.00	0.00
12,000.0	2.49	133.14	11,988.8	-352.6	376.3	-334.7	0.00	0.00	0.00
12,049.7	2.49	133.14	12,038.5	-354.0	377.8	-336.1	0.00	0.00	0.00
KOP (End 36 ST COM#708H)									
12,075.0	2.23	53.28	12,063.8	-354.1	378.6	-336.2	12.01	-1.00	-315.65
12,100.0	4.68	22.13	12,088.7	-352.9	379.4	-334.9	12.00	9.79	-124.58
12,125.0	7.54	13.29	12,113.6	-350.3	380.2	-332.3	12.00	11.43	-35.37
12,150.0	10.48	9.33	12,138.3	-346.5	380.9	-328.5	12.00	11.75	-15.83
12,175.0	13.44	7.10	12,162.7	-341.4	381.6	-323.3	12.00	11.86	-8.93
12,200.0	16.42	5.66	12,186.9	-335.0	382.4	-316.9	12.00	11.91	-5.74
12,225.0	19.40	4.66	12,210.7	-327.3	383.0	-309.2	12.00	11.94	-4.02
12,250.0	22.39	3.91	12,234.0	-318.4	383.7	-300.3	12.00	11.95	-2.98
12,275.0	25.38	3.34	12,256.9	-308.3	384.3	-290.2	12.00	11.96	-2.31
12,300.0	28.37	2.87	12,279.2	-297.0	385.0	-278.9	12.00	11.97	-1.85
12,325.0	31.37	2.49	12,300.9	-284.6	385.5	-266.4	12.00	11.98	-1.53
12,350.0	34.36	2.17	12,321.8	-271.0	386.1	-252.8	12.00	11.98	-1.28
12,375.0	37.36	1.89	12,342.1	-256.4	386.6	-238.2	12.00	11.98	-1.10
12,400.0	40.35	1.65	12,361.6	-240.7	387.1	-222.5	12.00	11.98	-0.96
12,425.0	43.35	1.44	12,380.2	-224.1	387.5	-205.8	12.00	11.99	-0.85
12,450.0	46.35	1.25	12,397.9	-206.4	387.9	-188.2	12.00	11.99	-0.76
12,475.0	49.35	1.08	12,414.7	-187.9	388.3	-169.7	12.00	11.99	-0.69
12,500.0	52.34	0.92	12,430.5	-168.5	388.7	-150.3	12.00	11.99	-0.63
12,525.0	55.34	0.78	12,445.2	-148.3	389.0	-130.2	12.00	11.99	-0.58
12,550.0	58.34	0.64	12,458.9	-127.4	389.2	-109.2	12.00	11.99	-0.54
12,575.0	61.34	0.52	12,471.5	-105.8	389.4	-87.6	12.00	11.99	-0.51
12,600.0	64.34	0.40	12,482.9	-83.6	389.6	-65.4	12.00	11.99	-0.48
12,613.9	66.00	0.34	12,488.7	-71.0	389.7	-52.8	12.00	11.99	-0.46
FTP (End 36 ST COM#708H)									
12,625.0	67.33	0.29	12,493.1	-60.8	389.8	-42.6	12.00	11.99	-0.45
12,650.0	70.33	0.18	12,502.1	-37.4	389.8	-19.3	12.00	11.99	-0.43
12,675.0	73.33	0.07	12,509.9	-13.7	389.9	4.4	12.00	11.99	-0.42
12,700.0	76.33	359.97	12,516.5	10.4	389.9	28.5	12.00	11.99	-0.41
12,725.0	79.33	359.87	12,521.7	34.9	389.9	52.9	12.00	11.99	-0.40
12,750.0	82.33	359.78	12,525.7	59.5	389.8	77.5	12.00	11.99	-0.39
12,775.0	85.32	359.68	12,528.4	84.4	389.7	102.4	12.00	11.99	-0.38
12,800.0	88.32	359.58	12,529.8	109.3	389.5	127.3	12.00	11.99	-0.38
12,814.0	90.00	359.53	12,530.0	123.3	389.4	141.3	12.00	11.99	-0.38
12,900.0	90.00	359.53	12,530.0	209.3	388.7	227.1	0.00	0.00	0.00
13,000.0	90.00	359.53	12,530.0	309.3	387.9	327.0	0.00	0.00	0.00
13,100.0	90.00	359.53	12,530.0	409.3	387.1	426.8	0.00	0.00	0.00
13,200.0	90.00	359.53	12,530.0	509.3	386.3	526.7	0.00	0.00	0.00
13,300.0	90.00	359.53	12,530.0	609.3	385.4	626.5	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #708H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3371.0usft
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3371.0usft
Site:	Endurance 36 State Com	**North Reference:**	Grid
Well:	#708H	**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)
13,400.0	90.00	359.53	12,530.0	709.3	384.6	726.4	0.00	0.00	0.00
13,500.0	90.00	359.53	12,530.0	809.3	383.8	826.2	0.00	0.00	0.00
13,600.0	90.00	359.53	12,530.0	909.3	383.0	926.1	0.00	0.00	0.00
13,700.0	90.00	359.53	12,530.0	1,009.3	382.2	1,025.9	0.00	0.00	0.00
13,800.0	90.00	359.53	12,530.0	1,109.3	381.4	1,125.8	0.00	0.00	0.00
13,900.0	90.00	359.53	12,530.0	1,209.3	380.5	1,225.7	0.00	0.00	0.00
14,000.0	90.00	359.53	12,530.0	1,309.3	379.7	1,325.5	0.00	0.00	0.00
14,100.0	90.00	359.53	12,530.0	1,409.3	378.9	1,425.4	0.00	0.00	0.00
14,200.0	90.00	359.53	12,530.0	1,509.3	378.1	1,525.2	0.00	0.00	0.00
14,300.0	90.00	359.53	12,530.0	1,609.3	377.3	1,625.1	0.00	0.00	0.00
14,400.0	90.00	359.53	12,530.0	1,709.3	376.5	1,724.9	0.00	0.00	0.00
14,500.0	90.00	359.53	12,530.0	1,809.3	375.6	1,824.8	0.00	0.00	0.00
14,600.0	90.00	359.53	12,530.0	1,909.3	374.8	1,924.6	0.00	0.00	0.00
14,700.0	90.00	359.53	12,530.0	2,009.3	374.0	2,024.5	0.00	0.00	0.00
14,800.0	90.00	359.53	12,530.0	2,109.3	373.2	2,124.3	0.00	0.00	0.00
14,900.0	90.00	359.53	12,530.0	2,209.3	372.4	2,224.2	0.00	0.00	0.00
15,000.0	90.00	359.53	12,530.0	2,309.3	371.6	2,324.0	0.00	0.00	0.00
15,100.0	90.00	359.53	12,530.0	2,409.3	370.7	2,423.9	0.00	0.00	0.00
15,200.0	90.00	359.53	12,530.0	2,509.3	369.9	2,523.7	0.00	0.00	0.00
15,300.0	90.00	359.53	12,530.0	2,609.3	369.1	2,623.6	0.00	0.00	0.00
15,400.0	90.00	359.53	12,530.0	2,709.3	368.3	2,723.4	0.00	0.00	0.00
15,500.0	90.00	359.53	12,530.0	2,809.3	367.5	2,823.3	0.00	0.00	0.00
15,600.0	90.00	359.53	12,530.0	2,909.3	366.7	2,923.1	0.00	0.00	0.00
15,700.0	90.00	359.53	12,530.0	3,009.3	365.8	3,023.0	0.00	0.00	0.00
15,800.0	90.00	359.53	12,530.0	3,109.2	365.0	3,122.8	0.00	0.00	0.00
15,900.0	90.00	359.53	12,530.0	3,209.2	364.2	3,222.7	0.00	0.00	0.00
16,000.0	90.00	359.53	12,530.0	3,309.2	363.4	3,322.5	0.00	0.00	0.00
16,100.0	90.00	359.53	12,530.0	3,409.2	362.6	3,422.4	0.00	0.00	0.00
16,200.0	90.00	359.53	12,530.0	3,509.2	361.8	3,522.2	0.00	0.00	0.00
16,300.0	90.00	359.53	12,530.0	3,609.2	360.9	3,622.1	0.00	0.00	0.00
16,400.0	90.00	359.53	12,530.0	3,709.2	360.1	3,721.9	0.00	0.00	0.00
16,500.0	90.00	359.53	12,530.0	3,809.2	359.3	3,821.8	0.00	0.00	0.00
16,600.0	90.00	359.53	12,530.0	3,909.2	358.5	3,921.6	0.00	0.00	0.00
16,700.0	90.00	359.53	12,530.0	4,009.2	357.7	4,021.5	0.00	0.00	0.00
16,800.0	90.00	359.53	12,530.0	4,109.2	356.9	4,121.3	0.00	0.00	0.00
16,900.0	90.00	359.53	12,530.0	4,209.2	356.0	4,221.2	0.00	0.00	0.00
17,000.0	90.00	359.53	12,530.0	4,309.2	355.2	4,321.0	0.00	0.00	0.00
17,100.0	90.00	359.53	12,530.0	4,409.2	354.4	4,420.9	0.00	0.00	0.00
17,200.0	90.00	359.53	12,530.0	4,509.2	353.6	4,520.7	0.00	0.00	0.00
17,300.0	90.00	359.53	12,530.0	4,609.2	352.8	4,620.6	0.00	0.00	0.00
17,400.0	90.00	359.53	12,530.0	4,709.2	352.0	4,720.4	0.00	0.00	0.00
17,500.0	90.00	359.53	12,530.0	4,809.2	351.1	4,820.3	0.00	0.00	0.00
17,600.0	90.00	359.53	12,530.0	4,909.2	350.3	4,920.1	0.00	0.00	0.00
17,700.0	90.00	359.53	12,530.0	5,009.2	349.5	5,020.0	0.00	0.00	0.00
17,800.0	90.00	359.53	12,530.0	5,109.2	348.7	5,119.9	0.00	0.00	0.00
17,900.0	90.00	359.53	12,530.0	5,209.2	347.9	5,219.7	0.00	0.00	0.00
18,000.0	90.00	359.53	12,530.0	5,309.2	347.1	5,319.6	0.00	0.00	0.00
18,100.0	90.00	359.53	12,530.0	5,409.2	346.2	5,419.4	0.00	0.00	0.00
18,200.0	90.00	359.53	12,530.0	5,509.2	345.4	5,519.3	0.00	0.00	0.00
18,300.0	90.00	359.53	12,530.0	5,609.2	344.6	5,619.1	0.00	0.00	0.00
18,400.0	90.00	359.53	12,530.0	5,709.2	343.8	5,719.0	0.00	0.00	0.00
18,500.0	90.00	359.53	12,530.0	5,809.2	343.0	5,818.8	0.00	0.00	0.00
18,600.0	90.00	359.53	12,530.0	5,909.2	342.2	5,918.7	0.00	0.00	0.00
18,700.0	90.00	359.53	12,530.0	6,009.2	341.3	6,018.5	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #708H
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Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3371.0usft
Site:	Endurance 36 State Com	**North Reference:**	Grid
Well:	#708H	**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)
18,800.0	90.00	359.53	12,530.0	6,109.1	340.5	6,118.4	0.00	0.00	0.00
18,900.0	90.00	359.53	12,530.0	6,209.1	339.7	6,218.2	0.00	0.00	0.00
19,000.0	90.00	359.53	12,530.0	6,309.1	338.9	6,318.1	0.00	0.00	0.00
19,100.0	90.00	359.53	12,530.0	6,409.1	338.1	6,417.9	0.00	0.00	0.00
19,200.0	90.00	359.53	12,530.0	6,509.1	337.3	6,517.8	0.00	0.00	0.00
19,300.0	90.00	359.53	12,530.0	6,609.1	336.4	6,617.6	0.00	0.00	0.00
19,400.0	90.00	359.53	12,530.0	6,709.1	335.6	6,717.5	0.00	0.00	0.00
19,500.0	90.00	359.53	12,530.0	6,809.1	334.8	6,817.3	0.00	0.00	0.00
19,600.0	90.00	359.53	12,530.0	6,909.1	334.0	6,917.2	0.00	0.00	0.00
19,700.0	90.00	359.53	12,530.0	7,009.1	333.2	7,017.0	0.00	0.00	0.00
19,744.9	90.00	359.53	12,530.0	7,054.0	332.8	7,061.8	0.00	0.00	0.00
LTP (End 36 ST COM#708H)									
19,800.0	90.00	359.53	12,530.0	7,109.1	332.4	7,116.9	0.00	0.00	0.00
19,844.9	90.00	359.53	12,530.0	7,154.0	332.0	7,161.7	0.00	0.00	0.00
PBHL (End 36 ST COM#708H)									

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
KOP (End 36 ST COM# - plan hits target center - Point	0.00	0.00	12,038.5	-354.0	377.8	364,766.97	751,375.84	32° 0' 0.959 N	103° 31' 20.781 W
FTP (End 36 ST COM#7 - plan misses target center by 1.3usft at 12613.9usft MD (12488.7 TVD, -71.0 N, 389.7 E) - Point	0.00	0.00	12,488.7	-71.0	391.0	365,050.00	751,389.00	32° 0' 3.759 N	103° 31' 20.604 W
LTP (End 36 ST COM#7 - plan misses target center by 0.2usft at 19744.9usft MD (12530.0 TVD, 7054.0 N, 332.8 E) - Point	0.00	0.00	12,530.0	7,054.0	333.0	372,175.00	751,331.00	32° 1' 14.270 N	103° 31' 20.656 W
PBHL (End 36 ST COM - plan hits target center - Point	0.00	0.01	12,530.0	7,154.0	332.0	372,275.00	751,330.00	32° 1' 15.260 N	103° 31' 20.659 W