eog resources

Lea County, NM (NAD 83 NME)

Magnolia 15 #302Y

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: -0.41°
Magnetic North: 6.41°

Magnetic Field
Strength: 47715.5snT
Dip Angle: 59.88°
Date: 7/24/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.41°
To convert a Magnetic Direction to a True Direction, Add 6.82° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

WELL DETAILS: #302Y

3297.0
KB= 25 @ 3322.0usft

Northing	Easting	Latitude	Longitude
378103.00	779109.00	32° 2' 13.788 N	103° 33' 57.598 W

SECTION DETAILS

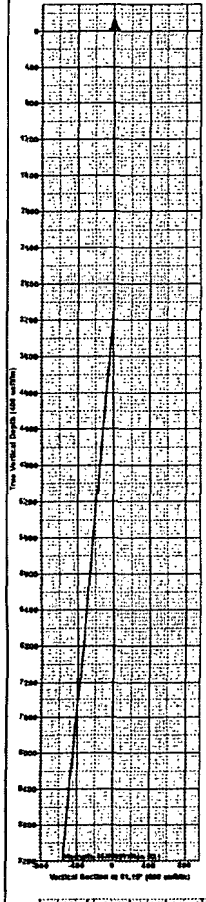
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3262.8	5.26	239.87	3262.4	-6.0	-10.4	2.00	239.87	-4.8	
4	9437.4	5.26	239.87	9411.1	-290.0	-499.6	0.00	0.00	-232.0	
5	9700.2	0.00	0.00	9673.5	-296.0	-510.0	2.00	180.00	-236.8	KOP(MAG 15 #302H)
6	10450.2	90.00	359.59	10151.0	181.4	-513.4	12.00	359.59	238.0	
7	15104.9	90.00	359.59	10151.0	4836.0	-547.0	0.00	0.00	4866.8	PBHL(MAG 15 #302H)

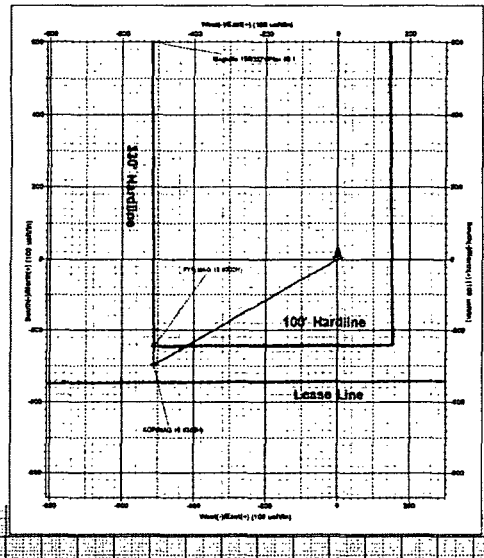
CASING DETAILS

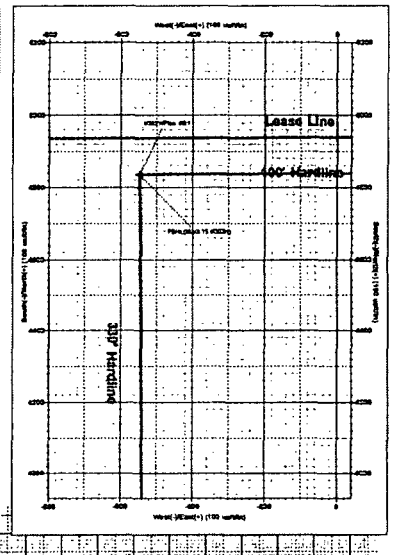
No casing data is available

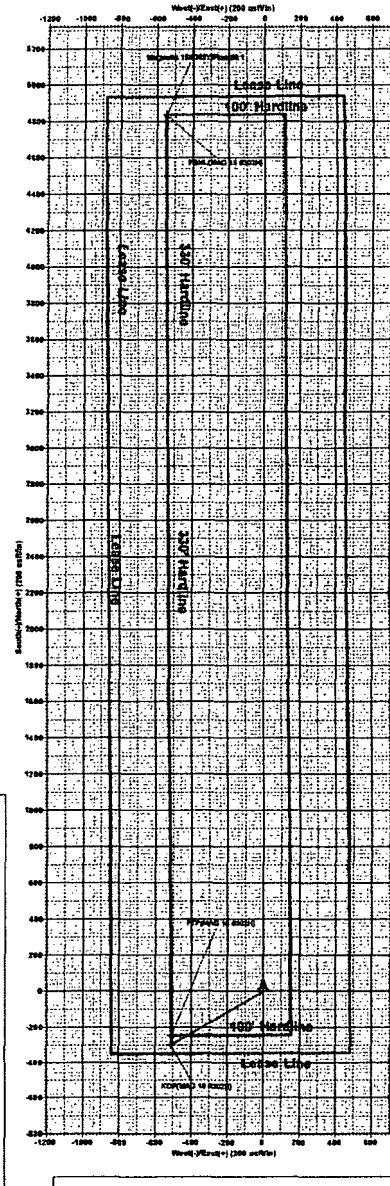
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

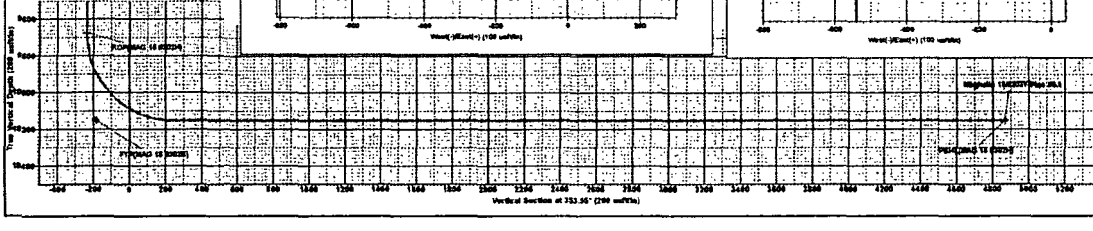
Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(MAG 15 #302H)	9673.5	-296.0	-510.0	377807.00	778589.00
FTP(MAG 15 #302H)	10151.0	-246.0	-513.0	377857.00	778589.00
PBHL(MAG 15 #302H)	10151.0	4836.0	-547.0	382939.00	778562.00

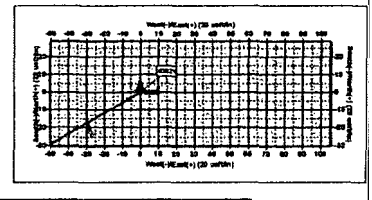


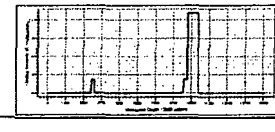












EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Magnolia 15
#302Y

OH

Plan: Plan #0.1

Standard Planning Report

05 September, 2018

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #302Y
Company:	EOG Resources - Midland	**TVD Reference:**	KB= 25 @ 3322.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB= 25 @ 3322.0usft
Site:	Magnolia 15	**North Reference:**	Grid
Well:	#302Y	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	Magnolia 15				
Site Position:		**Northing:**	378,055.00 usft	**Latitude:**	32° 2' 13.337 N
From:	Map	**Easting:**	778,760.00 usft	**Longitude:**	103° 34' 1.656 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.41 °

Well	#302Y					
Well Position	**+N/-S**	48.0 usft	**Northing:**	378,103.00 usft	**Latitude:**	32° 2' 13.788 N
	+E/-W	349.0 usft	**Easting:**	779,109.00 usft	**Longitude:**	103° 33' 57.598 W
Position Uncertainty		0.0 usft	***Wellhead Elevation:***		**Ground Level:**	3,297.0 usft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	7/24/2018	6.82	59.88	47,715.52248468

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	353.55	

Plan Survey Tool Program **Date** 9/5/2018

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	15,104.9	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	
3,262.8	5.26	239.87	3,262.4	-6.0	-10.4	2.00	2.00	0.00	239.87	
9,437.4	5.26	239.87	9,411.1	-290.0	-499.6	0.00	0.00	0.00	0.00	
9,700.2	0.00	0.00	9,673.5	-296.0	-510.0	2.00	-2.00	0.00	180.00	KOP(MAG 15 #302H)
10,450.2	90.00	359.59	10,151.0	181.4	-513.4	12.00	12.00	-0.06	359.59	
15,104.9	90.00	359.59	10,151.0	4,836.0	-547.0	0.00	0.00	0.00	0.00	PBHL(MAG 15 #302H

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #302Y
Company:	EOG Resources - Midland	**TVD Reference:**	KB= 25 @ 3322.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB= 25 @ 3322.0usft
Site:	Magnolia 15	**North Reference:**	Grid
Well:	#302Y	**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	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	239.87	3,100.0	-0.9	-1.5	-0.7	2.00	2.00	0.00
3,200.0	4.00	239.87	3,199.8	-3.5	-6.0	-2.8	2.00	2.00	0.00
3,262.8	5.26	239.87	3,262.4	-6.0	-10.4	-4.8	2.00	2.00	0.00
3,300.0	5.26	239.87	3,299.5	-7.8	-13.4	-6.2	0.00	0.00	0.00
3,400.0	5.26	239.87	3,399.1	-12.4	-21.3	-9.9	0.00	0.00	0.00
3,500.0	5.26	239.87	3,498.6	-17.0	-29.2	-13.6	0.00	0.00	0.00
3,600.0	5.26	239.87	3,598.2	-21.6	-37.1	-17.2	0.00	0.00	0.00
3,700.0	5.26	239.87	3,697.8	-26.1	-45.1	-20.9	0.00	0.00	0.00
3,800.0	5.26	239.87	3,797.4	-30.7	-53.0	-24.6	0.00	0.00	0.00
3,900.0	5.26	239.87	3,897.0	-35.3	-60.9	-28.3	0.00	0.00	0.00
4,000.0	5.26	239.87	3,996.5	-39.9	-68.8	-32.0	0.00	0.00	0.00
4,100.0	5.26	239.87	4,096.1	-44.5	-76.7	-35.6	0.00	0.00	0.00
4,200.0	5.26	239.87	4,195.7	-49.1	-84.7	-39.3	0.00	0.00	0.00
4,300.0	5.26	239.87	4,295.3	-53.7	-92.6	-43.0	0.00	0.00	0.00
4,400.0	5.26	239.87	4,394.9	-58.3	-100.5	-46.7	0.00	0.00	0.00
4,500.0	5.26	239.87	4,494.4	-62.9	-108.4	-50.3	0.00	0.00	0.00
4,600.0	5.26	239.87	4,594.0	-67.5	-116.4	-54.0	0.00	0.00	0.00
4,700.0	5.26	239.87	4,693.6	-72.1	-124.3	-57.7	0.00	0.00	0.00
4,800.0	5.26	239.87	4,793.2	-76.7	-132.2	-61.4	0.00	0.00	0.00
4,900.0	5.26	239.87	4,892.7	-81.3	-140.1	-65.1	0.00	0.00	0.00
5,000.0	5.26	239.87	4,992.3	-85.9	-148.0	-68.7	0.00	0.00	0.00
5,100.0	5.26	239.87	5,091.9	-90.5	-156.0	-72.4	0.00	0.00	0.00
5,200.0	5.26	239.87	5,191.5	-95.1	-163.9	-76.1	0.00	0.00	0.00

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Site:	Magnolia 15	**North Reference:**	Grid
Well:	#302Y	**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	5.26	239.87	5,291.1	-99.7	-171.8	-79.8	0.00	0.00	0.00
5,400.0	5.26	239.87	5,390.6	-104.3	-179.7	-83.5	0.00	0.00	0.00
5,500.0	5.26	239.87	5,490.2	-108.9	-187.7	-87.1	0.00	0.00	0.00
5,600.0	5.26	239.87	5,589.8	-113.5	-195.6	-90.8	0.00	0.00	0.00
5,700.0	5.26	239.87	5,689.4	-118.1	-203.5	-94.5	0.00	0.00	0.00
5,800.0	5.26	239.87	5,789.0	-122.7	-211.4	-98.2	0.00	0.00	0.00
5,900.0	5.26	239.87	5,888.5	-127.3	-219.3	-101.8	0.00	0.00	0.00
6,000.0	5.26	239.87	5,988.1	-131.9	-227.3	-105.5	0.00	0.00	0.00
6,100.0	5.26	239.87	6,087.7	-136.5	-235.2	-109.2	0.00	0.00	0.00
6,200.0	5.26	239.87	6,187.3	-141.1	-243.1	-112.9	0.00	0.00	0.00
6,300.0	5.26	239.87	6,286.9	-145.7	-251.0	-116.6	0.00	0.00	0.00
6,400.0	5.26	239.87	6,386.4	-150.3	-259.0	-120.2	0.00	0.00	0.00
6,500.0	5.26	239.87	6,486.0	-154.9	-266.9	-123.9	0.00	0.00	0.00
6,600.0	5.26	239.87	6,585.6	-159.5	-274.8	-127.6	0.00	0.00	0.00
6,700.0	5.26	239.87	6,685.2	-164.1	-282.7	-131.3	0.00	0.00	0.00
6,800.0	5.26	239.87	6,784.8	-168.7	-290.6	-135.0	0.00	0.00	0.00
6,900.0	5.26	239.87	6,884.3	-173.3	-298.6	-138.6	0.00	0.00	0.00
7,000.0	5.26	239.87	6,983.9	-177.9	-306.5	-142.3	0.00	0.00	0.00
7,100.0	5.26	239.87	7,083.5	-182.5	-314.4	-146.0	0.00	0.00	0.00
7,200.0	5.26	239.87	7,183.1	-187.1	-322.3	-149.7	0.00	0.00	0.00
7,300.0	5.26	239.87	7,282.7	-191.7	-330.3	-153.3	0.00	0.00	0.00
7,400.0	5.26	239.87	7,382.2	-196.3	-338.2	-157.0	0.00	0.00	0.00
7,500.0	5.26	239.87	7,481.8	-200.9	-346.1	-160.7	0.00	0.00	0.00
7,600.0	5.26	239.87	7,581.4	-205.5	-354.0	-164.4	0.00	0.00	0.00
7,700.0	5.26	239.87	7,681.0	-210.1	-361.9	-168.1	0.00	0.00	0.00
7,800.0	5.26	239.87	7,780.6	-214.7	-369.9	-171.7	0.00	0.00	0.00
7,900.0	5.26	239.87	7,880.1	-219.3	-377.8	-175.4	0.00	0.00	0.00
8,000.0	5.26	239.87	7,979.7	-223.9	-385.7	-179.1	0.00	0.00	0.00
8,100.0	5.26	239.87	8,079.3	-228.5	-393.6	-182.8	0.00	0.00	0.00
8,200.0	5.26	239.87	8,178.9	-233.1	-401.6	-186.4	0.00	0.00	0.00
8,300.0	5.26	239.87	8,278.5	-237.7	-409.5	-190.1	0.00	0.00	0.00
8,400.0	5.26	239.87	8,378.0	-242.3	-417.4	-193.8	0.00	0.00	0.00
8,500.0	5.26	239.87	8,477.6	-246.9	-425.3	-197.5	0.00	0.00	0.00
8,600.0	5.26	239.87	8,577.2	-251.5	-433.2	-201.2	0.00	0.00	0.00
8,700.0	5.26	239.87	8,676.8	-256.0	-441.2	-204.8	0.00	0.00	0.00
8,800.0	5.26	239.87	8,776.4	-260.6	-449.1	-208.5	0.00	0.00	0.00
8,900.0	5.26	239.87	8,875.9	-265.2	-457.0	-212.2	0.00	0.00	0.00
9,000.0	5.26	239.87	8,975.5	-269.8	-464.9	-215.9	0.00	0.00	0.00
9,100.0	5.26	239.87	9,075.1	-274.4	-472.9	-219.6	0.00	0.00	0.00
9,200.0	5.26	239.87	9,174.7	-279.0	-480.8	-223.2	0.00	0.00	0.00
9,300.0	5.26	239.87	9,274.3	-283.6	-488.7	-226.9	0.00	0.00	0.00
9,400.0	5.26	239.87	9,373.8	-288.2	-496.6	-230.6	0.00	0.00	0.00
9,437.4	5.26	239.87	9,411.1	-290.0	-499.6	-232.0	0.00	0.00	0.00
9,500.0	4.00	239.87	9,473.5	-292.5	-504.0	-234.0	2.00	-2.00	0.00
9,600.0	2.00	239.87	9,573.3	-295.1	-508.5	-236.1	2.00	-2.00	0.00
9,700.2	0.00	0.00	9,673.5	-296.0	-510.0	-236.8	2.00	-2.00	0.00
KOP(MAG 15 #302H)									
9,725.0	2.98	359.59	9,698.3	-295.4	-510.0	-236.2	12.00	12.00	0.00
9,750.0	5.98	359.59	9,723.2	-293.4	-510.0	-234.2	12.00	12.00	0.00
9,775.0	8.98	359.59	9,748.0	-290.2	-510.0	-231.0	12.00	12.00	0.00
9,800.0	11.98	359.59	9,772.6	-285.6	-510.1	-226.5	12.00	12.00	0.00
9,825.0	14.98	359.59	9,796.9	-279.8	-510.1	-220.7	12.00	12.00	0.00
9,850.0	17.98	359.59	9,820.9	-272.7	-510.2	-213.6	12.00	12.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #302Y
Company:	EOG Resources - Midland	**TVD Reference:**	KB= 25 @ 3322.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB= 25 @ 3322.0usft
Site:	Magnolia 15	**North Reference:**	Grid
Well:	#302Y	**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)
9,875.0	20.98	359.59	9,844.4	-264.4	-510.2	-205.3	12.00	12.00	0.00
9,900.0	23.98	359.59	9,867.5	-254.8	-510.3	-195.8	12.00	12.00	0.00
9,925.0	26.98	359.59	9,890.1	-244.0	-510.4	-185.1	12.00	12.00	0.00
9,950.0	29.98	359.59	9,912.1	-232.1	-510.5	-173.3	12.00	12.00	0.00
9,975.0	32.98	359.59	9,933.4	-219.1	-510.6	-160.3	12.00	12.00	0.00
10,000.0	35.98	359.59	9,954.0	-204.9	-510.7	-146.2	12.00	12.00	0.00
10,025.0	38.98	359.59	9,973.8	-189.7	-510.8	-131.1	12.00	12.00	0.00
10,050.0	41.98	359.59	9,992.8	-173.5	-510.9	-115.0	12.00	12.00	0.00
10,075.0	44.98	359.59	10,011.0	-156.3	-511.0	-97.9	12.00	12.00	0.00
10,100.0	47.98	359.59	10,028.2	-138.2	-511.1	-79.8	12.00	12.00	0.00
FTP(MAG 15 #302H)									
10,125.0	50.98	359.59	10,044.4	-119.2	-511.3	-61.0	12.00	12.00	0.00
10,150.0	53.98	359.59	10,059.7	-99.3	-511.4	-41.2	12.00	12.00	0.00
10,175.0	56.98	359.59	10,073.8	-78.8	-511.6	-20.8	12.00	12.00	0.00
10,200.0	59.98	359.59	10,086.9	-57.4	-511.7	0.4	12.00	12.00	0.00
10,225.0	62.98	359.59	10,098.8	-35.5	-511.9	22.3	12.00	12.00	0.00
10,250.0	65.98	359.59	10,109.6	-12.9	-512.0	44.7	12.00	12.00	0.00
10,275.0	68.98	359.59	10,119.2	10.2	-512.2	67.7	12.00	12.00	0.00
10,300.0	71.98	359.59	10,127.5	33.7	-512.4	91.1	12.00	12.00	0.00
10,325.0	74.98	359.59	10,134.6	57.7	-512.5	114.9	12.00	12.00	0.00
10,350.0	77.98	359.59	10,140.5	82.0	-512.7	139.1	12.00	12.00	0.00
10,375.0	80.98	359.59	10,145.1	106.6	-512.9	163.5	12.00	12.00	0.00
10,400.0	83.98	359.59	10,148.3	131.4	-513.1	188.2	12.00	12.00	0.00
10,425.0	86.98	359.59	10,150.3	156.3	-513.3	213.0	12.00	12.00	0.00
10,450.2	90.00	359.59	10,151.0	181.4	-513.4	238.0	12.00	12.00	0.00
10,500.0	90.00	359.59	10,151.0	231.3	-513.8	287.5	0.00	0.00	0.00
10,600.0	90.00	359.59	10,151.0	331.3	-514.5	387.0	0.00	0.00	0.00
10,700.0	90.00	359.59	10,151.0	431.3	-515.2	486.4	0.00	0.00	0.00
10,800.0	90.00	359.59	10,151.0	531.2	-516.0	585.9	0.00	0.00	0.00
10,900.0	90.00	359.59	10,151.0	631.2	-516.7	685.3	0.00	0.00	0.00
11,000.0	90.00	359.59	10,151.0	731.2	-517.4	784.8	0.00	0.00	0.00
11,100.0	90.00	359.59	10,151.0	831.2	-518.1	884.2	0.00	0.00	0.00
11,200.0	90.00	359.59	10,151.0	931.2	-518.8	983.7	0.00	0.00	0.00
11,300.0	90.00	359.59	10,151.0	1,031.2	-519.6	1,083.1	0.00	0.00	0.00
11,400.0	90.00	359.59	10,151.0	1,131.2	-520.3	1,182.5	0.00	0.00	0.00
11,500.0	90.00	359.59	10,151.0	1,231.2	-521.0	1,282.0	0.00	0.00	0.00
11,600.0	90.00	359.59	10,151.0	1,331.2	-521.7	1,381.4	0.00	0.00	0.00
11,700.0	90.00	359.59	10,151.0	1,431.2	-522.5	1,480.9	0.00	0.00	0.00
11,800.0	90.00	359.59	10,151.0	1,531.2	-523.2	1,580.3	0.00	0.00	0.00
11,900.0	90.00	359.59	10,151.0	1,631.2	-523.9	1,679.8	0.00	0.00	0.00
12,000.0	90.00	359.59	10,151.0	1,731.2	-524.6	1,779.2	0.00	0.00	0.00
12,100.0	90.00	359.59	10,151.0	1,831.2	-525.3	1,878.7	0.00	0.00	0.00
12,200.0	90.00	359.59	10,151.0	1,931.2	-526.1	1,978.1	0.00	0.00	0.00
12,300.0	90.00	359.59	10,151.0	2,031.2	-526.8	2,077.5	0.00	0.00	0.00
12,400.0	90.00	359.59	10,151.0	2,131.2	-527.5	2,177.0	0.00	0.00	0.00
12,500.0	90.00	359.59	10,151.0	2,231.2	-528.2	2,276.4	0.00	0.00	0.00
12,600.0	90.00	359.59	10,151.0	2,331.2	-528.9	2,375.9	0.00	0.00	0.00
12,700.0	90.00	359.59	10,151.0	2,431.2	-529.7	2,475.3	0.00	0.00	0.00
12,800.0	90.00	359.59	10,151.0	2,531.2	-530.4	2,574.8	0.00	0.00	0.00
12,900.0	90.00	359.59	10,151.0	2,631.2	-531.1	2,674.2	0.00	0.00	0.00
13,000.0	90.00	359.59	10,151.0	2,731.2	-531.8	2,773.7	0.00	0.00	0.00
13,100.0	90.00	359.59	10,151.0	2,831.2	-532.5	2,873.1	0.00	0.00	0.00
13,200.0	90.00	359.59	10,151.0	2,931.2	-533.3	2,972.5	0.00	0.00	0.00
13,300.0	90.00	359.59	10,151.0	3,031.2	-534.0	3,072.0	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #302Y
Company:	EOG Resources - Midland	**TVD Reference:**	KB= 25 @ 3322.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB= 25 @ 3322.0usft
Site:	Magnolia 15	**North Reference:**	Grid
Well:	#302Y	**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	359.59	10,151.0	3,131.2	-534.7	3,171.4	0.00	0.00	0.00
13,500.0	90.00	359.59	10,151.0	3,231.2	-535.4	3,270.9	0.00	0.00	0.00
13,600.0	90.00	359.59	10,151.0	3,331.2	-536.2	3,370.3	0.00	0.00	0.00
13,700.0	90.00	359.59	10,151.0	3,431.2	-536.9	3,469.8	0.00	0.00	0.00
13,800.0	90.00	359.59	10,151.0	3,531.2	-537.6	3,569.2	0.00	0.00	0.00
13,900.0	90.00	359.59	10,151.0	3,631.2	-538.3	3,668.7	0.00	0.00	0.00
14,000.0	90.00	359.59	10,151.0	3,731.2	-539.0	3,768.1	0.00	0.00	0.00
14,100.0	90.00	359.59	10,151.0	3,831.2	-539.8	3,867.6	0.00	0.00	0.00
14,200.0	90.00	359.59	10,151.0	3,931.2	-540.5	3,967.0	0.00	0.00	0.00
14,300.0	90.00	359.59	10,151.0	4,031.2	-541.2	4,066.4	0.00	0.00	0.00
14,400.0	90.00	359.59	10,151.0	4,131.2	-541.9	4,165.9	0.00	0.00	0.00
14,500.0	90.00	359.59	10,151.0	4,231.2	-542.6	4,265.3	0.00	0.00	0.00
14,600.0	90.00	359.59	10,151.0	4,331.1	-543.4	4,364.8	0.00	0.00	0.00
14,700.0	90.00	359.59	10,151.0	4,431.1	-544.1	4,464.2	0.00	0.00	0.00
14,800.0	90.00	359.59	10,151.0	4,531.1	-544.8	4,563.7	0.00	0.00	0.00
14,900.0	90.00	359.59	10,151.0	4,631.1	-545.5	4,663.1	0.00	0.00	0.00
15,000.0	90.00	359.59	10,151.0	4,731.1	-546.2	4,762.6	0.00	0.00	0.00
15,104.9	90.00	359.59	10,151.0	4,836.0	-547.0	4,866.8	0.00	0.00	0.00
PBHL(MAG 15 #302H)									

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(MAG 15 #302H) - plan hits target center - Point	0.00	0.00	9,673.5	-296.0	-510.0	377,807.00	778,599.00	32° 2' 10.894 N	103° 34' 3.547 W
FTP(MAG 15 #302H) - plan misses target center by 163.4usft at 10100.0usft MD (10028.2 TVD, -138.2 N, -511.1 E) - Point	0.00	0.00	10,151.0	-246.0	-510.0	377,857.00	778,599.00	32° 2' 11.389 N	103° 34' 3.543 W
PBHL(MAG 15 #302H) - plan hits target center - Point	0.00	0.00	10,151.0	4,836.0	-547.0	382,939.00	778,562.00	32° 3' 1.680 N	103° 34' 3.554 W