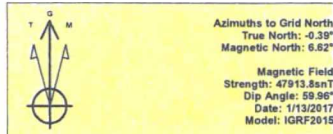




Lea County, NM (NAD 27 NME)
Audacious BTL 19 Fed Com #5H
Plan #0.1



To convert a Magnetic Direction to a Grid Direction, Add 6.62°
To convert a Magnetic Direction to a True Direction, Add 7.01° East
To convert a True Direction to a Grid Direction, Subtract 0.39°

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: #5H
Ground Level: 3435.0
KB = 25' @ 3460.0ust
Northing: 406621.00, Easting: 725392.00, Latitude: 32° 6' 58.969 N, Longitude: 103° 36' 19.231 W

SECTION DETAILS

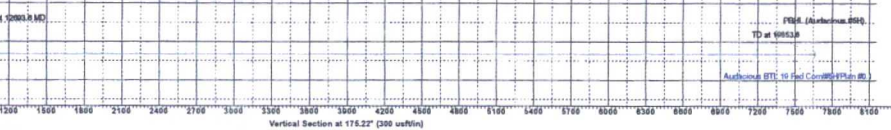
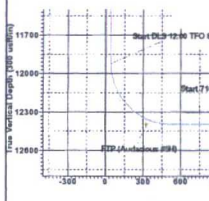
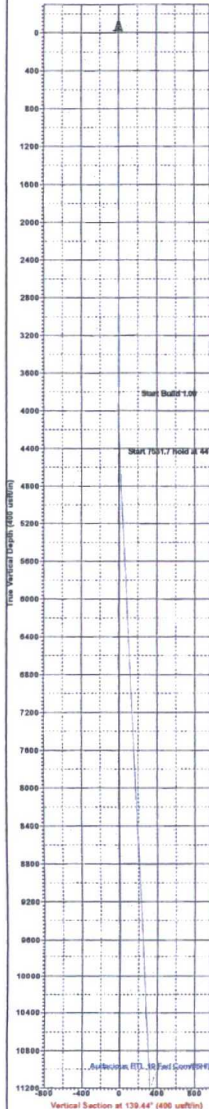
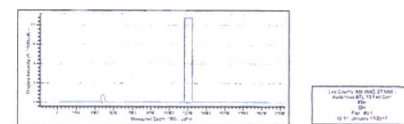
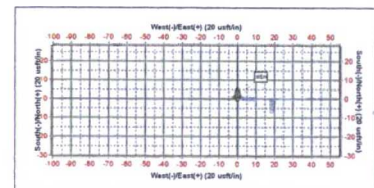
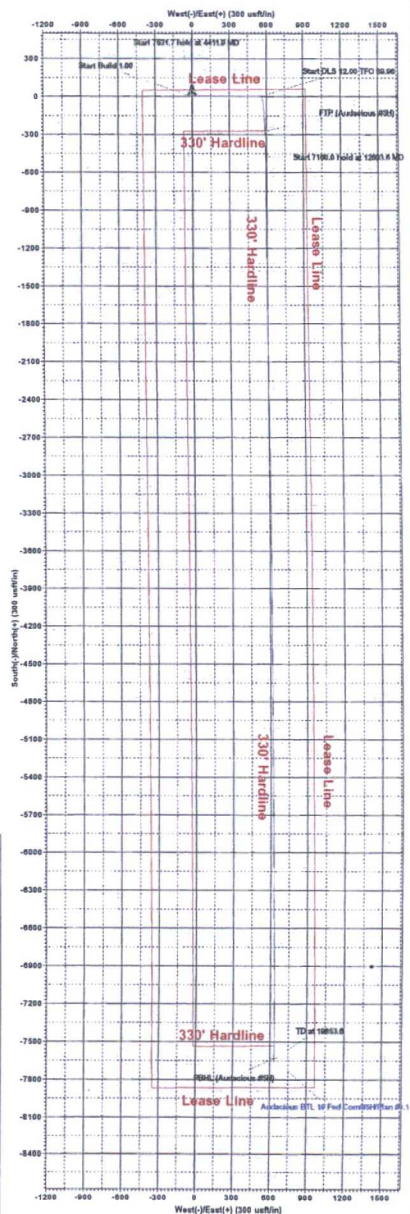
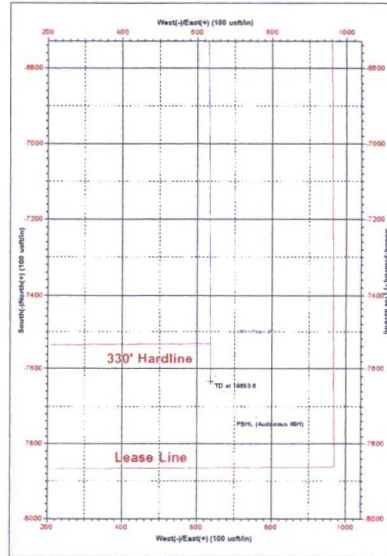
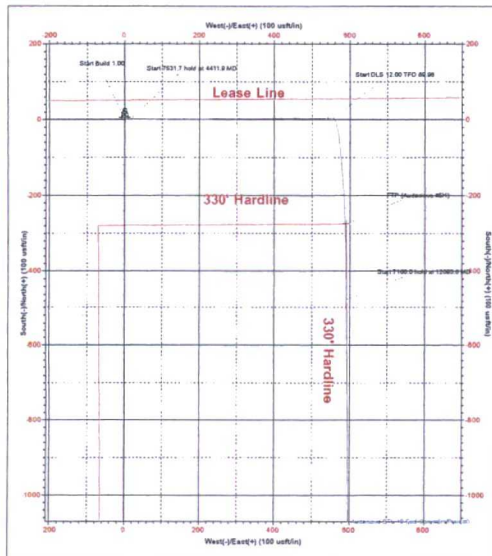
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4411.9	4.12	89.68	4411.5	0.1	14.8	1.00	89.68	1.2	
4	11943.6	4.12	89.68	11923.8	3.1	555.7	0.00	0.00	43.2	
5	12693.6	90.00	179.64	12400.0	-474.1	593.0	12.00	89.96	521.9	
6	19853.6	90.00	179.64	12400.0	-7634.0	638.0	0.00	0.00	7660.6	PBHL (Audacious #5H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Audacious #5H)	12400.0	-275.0	592.0	406346.00	725984.00
PBHL (Audacious #5H)	12400.0	-7634.0	638.0	398987.00	726030.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Audacious BTL 19 Fed Com

#5H

OH

Plan: Plan #0.1

Standard Survey Report

13 January, 2017

HOBBS OCD
JUN 16 2017
RECEIVED



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Audacious BTL 19 Fed Com
 Well: #5H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #5H
 TVD Reference: KB = 25' @ 3460.0usft
 MD Reference: KB = 25' @ 3460.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

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	Audacious BTL 19 Fed Com			
Site Position:		Northing:	406,621.00 usft	Latitude: 32° 6' 56.974 N
From: Map		Easting:	725,322.00 usft	Longitude: 103° 36' 20.045 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.39 °

Well	#5H			
Well Position	+N/-S	0.0 usft	Northing:	406,621.00 usft
	+E/-W	0.0 usft	Easting:	725,392.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,435.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/13/2017	7.01	59.96	47,914

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	175.22

Survey Tool Program	Date	1/13/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	19,853.6	Plan #0.1 (OH)	MWD	MWD - Standard

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



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Audacious BTL 19 Fed Com
 Well: #5H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #5H
 TVD Reference: KB = 25' @ 3460.0usft
 MD Reference: KB = 25' @ 3460.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

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)
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	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	1.00	89.68	4,100.0	0.0	0.9	0.1	1.00	1.00	0.00
4,200.0	2.00	89.68	4,200.0	0.0	3.5	0.3	1.00	1.00	0.00
4,300.0	3.00	89.68	4,299.9	0.0	7.9	0.6	1.00	1.00	0.00
4,400.0	4.00	89.68	4,399.7	0.1	14.0	1.1	1.00	1.00	0.00
4,411.9	4.12	89.68	4,411.5	0.1	14.8	1.2	1.00	1.00	0.00
4,500.0	4.12	89.68	4,499.4	0.1	21.1	1.6	0.00	0.00	0.00
4,600.0	4.12	89.68	4,599.2	0.2	28.3	2.2	0.00	0.00	0.00
4,700.0	4.12	89.68	4,698.9	0.2	35.5	2.8	0.00	0.00	0.00
4,800.0	4.12	89.68	4,798.6	0.2	42.7	3.3	0.00	0.00	0.00
4,900.0	4.12	89.68	4,898.4	0.3	49.9	3.9	0.00	0.00	0.00
5,000.0	4.12	89.68	4,998.1	0.3	57.0	4.4	0.00	0.00	0.00
5,100.0	4.12	89.68	5,097.9	0.4	64.2	5.0	0.00	0.00	0.00
5,200.0	4.12	89.68	5,197.6	0.4	71.4	5.5	0.00	0.00	0.00



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Audacious BTL 19 Fed Com
 Well: #5H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #5H
 TVD Reference: KB = 25' @ 3460.0usft
 MD Reference: KB = 25' @ 3460.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

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	4.12	89.68	5,297.4	0.4	78.6	6.1	0.00	0.00	0.00
5,400.0	4.12	89.68	5,397.1	0.5	85.8	6.7	0.00	0.00	0.00
5,500.0	4.12	89.68	5,496.8	0.5	92.9	7.2	0.00	0.00	0.00
5,600.0	4.12	89.68	5,596.6	0.6	100.1	7.8	0.00	0.00	0.00
5,700.0	4.12	89.68	5,696.3	0.6	107.3	8.3	0.00	0.00	0.00
5,800.0	4.12	89.68	5,796.1	0.6	114.5	8.9	0.00	0.00	0.00
5,900.0	4.12	89.68	5,895.8	0.7	121.7	9.5	0.00	0.00	0.00
6,000.0	4.12	89.68	5,995.5	0.7	128.9	10.0	0.00	0.00	0.00
6,100.0	4.12	89.68	6,095.3	0.8	136.0	10.6	0.00	0.00	0.00
6,200.0	4.12	89.68	6,195.0	0.8	143.2	11.1	0.00	0.00	0.00
6,300.0	4.12	89.68	6,294.8	0.8	150.4	11.7	0.00	0.00	0.00
6,400.0	4.12	89.68	6,394.5	0.9	157.6	12.2	0.00	0.00	0.00
6,500.0	4.12	89.68	6,494.3	0.9	164.8	12.8	0.00	0.00	0.00
6,600.0	4.12	89.68	6,594.0	1.0	171.9	13.4	0.00	0.00	0.00
6,700.0	4.12	89.68	6,693.7	1.0	179.1	13.9	0.00	0.00	0.00
6,800.0	4.12	89.68	6,793.5	1.0	186.3	14.5	0.00	0.00	0.00
6,900.0	4.12	89.68	6,893.2	1.1	193.5	15.0	0.00	0.00	0.00
7,000.0	4.12	89.68	6,993.0	1.1	200.7	15.6	0.00	0.00	0.00
7,100.0	4.12	89.68	7,092.7	1.2	207.9	16.2	0.00	0.00	0.00
7,200.0	4.12	89.68	7,192.4	1.2	215.0	16.7	0.00	0.00	0.00
7,300.0	4.12	89.68	7,292.2	1.2	222.2	17.3	0.00	0.00	0.00
7,400.0	4.12	89.68	7,391.9	1.3	229.4	17.8	0.00	0.00	0.00
7,500.0	4.12	89.68	7,491.7	1.3	236.6	18.4	0.00	0.00	0.00
7,600.0	4.12	89.68	7,591.4	1.4	243.8	18.9	0.00	0.00	0.00
7,700.0	4.12	89.68	7,691.2	1.4	250.9	19.5	0.00	0.00	0.00
7,800.0	4.12	89.68	7,790.9	1.4	258.1	20.1	0.00	0.00	0.00
7,900.0	4.12	89.68	7,890.6	1.5	265.3	20.6	0.00	0.00	0.00
8,000.0	4.12	89.68	7,990.4	1.5	272.5	21.2	0.00	0.00	0.00
8,100.0	4.12	89.68	8,090.1	1.6	279.7	21.7	0.00	0.00	0.00
8,200.0	4.12	89.68	8,189.9	1.6	286.9	22.3	0.00	0.00	0.00
8,300.0	4.12	89.68	8,289.6	1.6	294.0	22.9	0.00	0.00	0.00
8,400.0	4.12	89.68	8,389.3	1.7	301.2	23.4	0.00	0.00	0.00
8,500.0	4.12	89.68	8,489.1	1.7	308.4	24.0	0.00	0.00	0.00
8,600.0	4.12	89.68	8,588.8	1.8	315.6	24.5	0.00	0.00	0.00
8,700.0	4.12	89.68	8,688.6	1.8	322.8	25.1	0.00	0.00	0.00
8,800.0	4.12	89.68	8,788.3	1.8	330.0	25.6	0.00	0.00	0.00
8,900.0	4.12	89.68	8,888.1	1.9	337.1	26.2	0.00	0.00	0.00
9,000.0	4.12	89.68	8,987.8	1.9	344.3	26.8	0.00	0.00	0.00
9,100.0	4.12	89.68	9,087.5	2.0	351.5	27.3	0.00	0.00	0.00
9,200.0	4.12	89.68	9,187.3	2.0	358.7	27.9	0.00	0.00	0.00
9,300.0	4.12	89.68	9,287.0	2.0	365.9	28.4	0.00	0.00	0.00
9,400.0	4.12	89.68	9,386.8	2.1	373.0	29.0	0.00	0.00	0.00
9,500.0	4.12	89.68	9,486.5	2.1	380.2	29.6	0.00	0.00	0.00



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Audacious BTL 19 Fed Com
 Well: #5H
 Wellbore: OH
 Design: Plan #0.1

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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)
9,600.0	4.12	89.68	9,586.2	2.2	387.4	30.1	0.00	0.00	0.00
9,700.0	4.12	89.68	9,686.0	2.2	394.6	30.7	0.00	0.00	0.00
9,800.0	4.12	89.68	9,785.7	2.2	401.8	31.2	0.00	0.00	0.00
9,900.0	4.12	89.68	9,885.5	2.3	409.0	31.8	0.00	0.00	0.00
10,000.0	4.12	89.68	9,985.2	2.3	416.1	32.3	0.00	0.00	0.00
10,100.0	4.12	89.68	10,085.0	2.4	423.3	32.9	0.00	0.00	0.00
10,200.0	4.12	89.68	10,184.7	2.4	430.5	33.5	0.00	0.00	0.00
10,300.0	4.12	89.68	10,284.4	2.4	437.7	34.0	0.00	0.00	0.00
10,400.0	4.12	89.68	10,384.2	2.5	444.9	34.6	0.00	0.00	0.00
10,500.0	4.12	89.68	10,483.9	2.5	452.0	35.1	0.00	0.00	0.00
10,600.0	4.12	89.68	10,583.7	2.6	459.2	35.7	0.00	0.00	0.00
10,700.0	4.12	89.68	10,683.4	2.6	466.4	36.3	0.00	0.00	0.00
10,800.0	4.12	89.68	10,783.1	2.6	473.6	36.8	0.00	0.00	0.00
10,900.0	4.12	89.68	10,882.9	2.7	480.8	37.4	0.00	0.00	0.00
11,000.0	4.12	89.68	10,982.6	2.7	488.0	37.9	0.00	0.00	0.00
11,100.0	4.12	89.68	11,082.4	2.8	495.1	38.5	0.00	0.00	0.00
11,200.0	4.12	89.68	11,182.1	2.8	502.3	39.0	0.00	0.00	0.00
11,300.0	4.12	89.68	11,281.9	2.8	509.5	39.6	0.00	0.00	0.00
11,400.0	4.12	89.68	11,381.6	2.9	516.7	40.2	0.00	0.00	0.00
11,500.0	4.12	89.68	11,481.3	2.9	523.9	40.7	0.00	0.00	0.00
11,600.0	4.12	89.68	11,581.1	3.0	531.0	41.3	0.00	0.00	0.00
11,700.0	4.12	89.68	11,680.8	3.0	538.2	41.8	0.00	0.00	0.00
11,800.0	4.12	89.68	11,780.6	3.0	545.4	42.4	0.00	0.00	0.00
11,900.0	4.12	89.68	11,880.3	3.1	552.6	43.0	0.00	0.00	0.00
11,943.6	4.12	89.68	11,923.8	3.1	555.7	43.2	0.00	0.00	0.00
11,950.0	4.19	100.26	11,930.2	3.1	556.2	43.3	12.00	1.12	165.17
11,975.0	5.58	132.19	11,955.1	2.1	558.0	44.4	12.00	5.57	127.72
12,000.0	7.92	148.47	11,979.9	-0.2	559.8	46.8	12.00	9.35	65.14
12,025.0	10.60	157.00	12,004.6	-3.8	561.6	50.5	12.00	10.70	34.12
12,050.0	13.41	162.06	12,029.0	-8.7	563.4	55.6	12.00	11.25	20.23
12,075.0	16.29	165.37	12,053.2	-14.8	565.2	61.8	12.00	11.51	13.25
12,100.0	19.20	167.71	12,077.0	-22.2	566.9	69.4	12.00	11.66	9.34
12,125.0	22.14	169.45	12,100.4	-30.9	568.7	78.1	12.00	11.75	6.95
12,150.0	25.09	170.79	12,123.3	-40.7	570.4	88.1	12.00	11.80	5.39
12,175.0	28.05	171.87	12,145.7	-51.8	572.0	99.3	12.00	11.84	4.32
12,200.0	31.02	172.76	12,167.4	-64.0	573.7	111.6	12.00	11.87	3.55
12,225.0	33.99	173.51	12,188.5	-77.3	575.3	125.0	12.00	11.89	2.99
12,250.0	36.97	174.15	12,208.9	-91.8	576.8	139.5	12.00	11.91	2.56
12,275.0	39.95	174.71	12,228.4	-107.2	578.4	155.0	12.00	11.92	2.23
12,300.0	42.93	175.20	12,247.2	-123.7	579.8	171.6	12.00	11.93	1.97
12,325.0	45.92	175.64	12,265.0	-141.2	581.2	189.1	12.00	11.94	1.76
12,350.0	48.90	176.04	12,281.9	-159.5	582.5	207.5	12.00	11.94	1.59
12,375.0	51.89	176.40	12,297.9	-178.7	583.8	226.7	12.00	11.95	1.45



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Audacious BTL 19 Fed Com
 Well: #5H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #5H
 TVD Reference: KB = 25' @ 3460.0usft
 MD Reference: KB = 25' @ 3460.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

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)
12,400.0	54.88	176.74	12,312.8	-198.8	585.0	246.8	12.00	11.95	1.34
12,425.0	57.86	177.05	12,326.6	-219.5	586.1	267.6	12.00	11.96	1.24
12,450.0	60.85	177.34	12,339.4	-241.0	587.2	289.1	12.00	11.96	1.16
12,475.0	63.84	177.61	12,351.0	-263.1	588.2	311.2	12.00	11.96	1.10
12,500.0	66.83	177.87	12,361.4	-285.8	589.0	333.9	12.00	11.96	1.04
12,504.3	67.35	177.92	12,363.1	-289.8	589.2	337.8	12.00	11.96	1.02
FTP (Audacious #5H)									
12,525.0	69.83	178.12	12,370.6	-309.1	589.9	357.1	12.00	11.96	0.99
12,550.0	72.82	178.36	12,378.6	-332.7	590.6	380.8	12.00	11.97	0.96
12,575.0	75.81	178.60	12,385.4	-356.8	591.2	404.8	12.00	11.97	0.93
12,600.0	78.80	178.82	12,390.9	-381.2	591.8	429.1	12.00	11.97	0.91
12,625.0	81.79	179.04	12,395.1	-405.8	592.2	453.7	12.00	11.97	0.89
12,650.0	84.78	179.26	12,398.0	-430.6	592.6	478.5	12.00	11.97	0.87
12,675.0	87.78	179.48	12,399.6	-455.6	592.9	503.4	12.00	11.97	0.87
12,693.6	90.00	179.64	12,400.0	-474.1	593.0	521.9	12.00	11.97	0.86
12,700.0	90.00	179.64	12,400.0	-480.6	593.1	528.3	0.00	0.00	0.00
12,800.0	90.00	179.64	12,400.0	-580.6	593.7	628.0	0.00	0.00	0.00
12,900.0	90.00	179.64	12,400.0	-680.6	594.3	727.7	0.00	0.00	0.00
13,000.0	90.00	179.64	12,400.0	-780.6	594.9	827.4	0.00	0.00	0.00
13,100.0	90.00	179.64	12,400.0	-880.6	595.6	927.1	0.00	0.00	0.00
13,200.0	90.00	179.64	12,400.0	-980.6	596.2	1,026.8	0.00	0.00	0.00
13,300.0	90.00	179.64	12,400.0	-1,080.6	596.8	1,126.5	0.00	0.00	0.00
13,400.0	90.00	179.64	12,400.0	-1,180.6	597.5	1,226.2	0.00	0.00	0.00
13,500.0	90.00	179.64	12,400.0	-1,280.6	598.1	1,325.9	0.00	0.00	0.00
13,600.0	90.00	179.64	12,400.0	-1,380.6	598.7	1,425.6	0.00	0.00	0.00
13,700.0	90.00	179.64	12,400.0	-1,480.5	599.3	1,525.3	0.00	0.00	0.00
13,800.0	90.00	179.64	12,400.0	-1,580.5	600.0	1,625.0	0.00	0.00	0.00
13,900.0	90.00	179.64	12,400.0	-1,680.5	600.6	1,724.7	0.00	0.00	0.00
14,000.0	90.00	179.64	12,400.0	-1,780.5	601.2	1,824.4	0.00	0.00	0.00
14,100.0	90.00	179.64	12,400.0	-1,880.5	601.8	1,924.1	0.00	0.00	0.00
14,200.0	90.00	179.64	12,400.0	-1,980.5	602.5	2,023.8	0.00	0.00	0.00
14,300.0	90.00	179.64	12,400.0	-2,080.5	603.1	2,123.5	0.00	0.00	0.00
14,400.0	90.00	179.64	12,400.0	-2,180.5	603.7	2,223.2	0.00	0.00	0.00
14,500.0	90.00	179.64	12,400.0	-2,280.5	604.4	2,322.9	0.00	0.00	0.00
14,600.0	90.00	179.64	12,400.0	-2,380.5	605.0	2,422.6	0.00	0.00	0.00
14,700.0	90.00	179.64	12,400.0	-2,480.5	605.6	2,522.3	0.00	0.00	0.00
14,800.0	90.00	179.64	12,400.0	-2,580.5	606.2	2,622.1	0.00	0.00	0.00
14,900.0	90.00	179.64	12,400.0	-2,680.5	606.9	2,721.8	0.00	0.00	0.00
15,000.0	90.00	179.64	12,400.0	-2,780.5	607.5	2,821.5	0.00	0.00	0.00
15,100.0	90.00	179.64	12,400.0	-2,880.5	608.1	2,921.2	0.00	0.00	0.00
15,200.0	90.00	179.64	12,400.0	-2,980.5	608.8	3,020.9	0.00	0.00	0.00
15,300.0	90.00	179.64	12,400.0	-3,080.5	609.4	3,120.6	0.00	0.00	0.00
15,400.0	90.00	179.64	12,400.0	-3,180.5	610.0	3,220.3	0.00	0.00	0.00
15,500.0	90.00	179.64	12,400.0	-3,280.5	610.6	3,320.0	0.00	0.00	0.00



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Audacious BTL 19 Fed Com
 Well: #5H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #5H
 TVD Reference: KB = 25' @ 3460.0usft
 MD Reference: KB = 25' @ 3460.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.1 Single User Db

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)
15,600.0	90.00	179.64	12,400.0	-3,380.5	611.3	3,419.7	0.00	0.00	0.00
15,700.0	90.00	179.64	12,400.0	-3,480.5	611.9	3,519.4	0.00	0.00	0.00
15,800.0	90.00	179.64	12,400.0	-3,580.5	612.5	3,619.1	0.00	0.00	0.00
15,900.0	90.00	179.64	12,400.0	-3,680.5	613.2	3,718.8	0.00	0.00	0.00
16,000.0	90.00	179.64	12,400.0	-3,780.5	613.8	3,818.5	0.00	0.00	0.00
16,100.0	90.00	179.64	12,400.0	-3,880.5	614.4	3,918.2	0.00	0.00	0.00
16,200.0	90.00	179.64	12,400.0	-3,980.5	615.0	4,017.9	0.00	0.00	0.00
16,300.0	90.00	179.64	12,400.0	-4,080.5	615.7	4,117.6	0.00	0.00	0.00
16,400.0	90.00	179.64	12,400.0	-4,180.5	616.3	4,217.3	0.00	0.00	0.00
16,500.0	90.00	179.64	12,400.0	-4,280.5	616.9	4,317.0	0.00	0.00	0.00
16,600.0	90.00	179.64	12,400.0	-4,380.5	617.6	4,416.7	0.00	0.00	0.00
16,700.0	90.00	179.64	12,400.0	-4,480.5	618.2	4,516.4	0.00	0.00	0.00
16,800.0	90.00	179.64	12,400.0	-4,580.5	618.8	4,616.1	0.00	0.00	0.00
16,900.0	90.00	179.64	12,400.0	-4,680.5	619.4	4,715.8	0.00	0.00	0.00
17,000.0	90.00	179.64	12,400.0	-4,780.5	620.1	4,815.5	0.00	0.00	0.00
17,100.0	90.00	179.64	12,400.0	-4,880.5	620.7	4,915.2	0.00	0.00	0.00
17,200.0	90.00	179.64	12,400.0	-4,980.5	621.3	5,014.9	0.00	0.00	0.00
17,300.0	90.00	179.64	12,400.0	-5,080.5	622.0	5,114.6	0.00	0.00	0.00
17,400.0	90.00	179.64	12,400.0	-5,180.5	622.6	5,214.3	0.00	0.00	0.00
17,500.0	90.00	179.64	12,400.0	-5,280.5	623.2	5,314.0	0.00	0.00	0.00
17,600.0	90.00	179.64	12,400.0	-5,380.5	623.8	5,413.7	0.00	0.00	0.00
17,700.0	90.00	179.64	12,400.0	-5,480.5	624.5	5,513.4	0.00	0.00	0.00
17,800.0	90.00	179.64	12,400.0	-5,580.5	625.1	5,613.1	0.00	0.00	0.00
17,900.0	90.00	179.64	12,400.0	-5,680.5	625.7	5,712.8	0.00	0.00	0.00
18,000.0	90.00	179.64	12,400.0	-5,780.5	626.4	5,812.5	0.00	0.00	0.00
18,100.0	90.00	179.64	12,400.0	-5,880.5	627.0	5,912.2	0.00	0.00	0.00
18,200.0	90.00	179.64	12,400.0	-5,980.5	627.6	6,012.0	0.00	0.00	0.00
18,300.0	90.00	179.64	12,400.0	-6,080.5	628.2	6,111.7	0.00	0.00	0.00
18,400.0	90.00	179.64	12,400.0	-6,180.5	628.9	6,211.4	0.00	0.00	0.00
18,500.0	90.00	179.64	12,400.0	-6,280.5	629.5	6,311.1	0.00	0.00	0.00
18,600.0	90.00	179.64	12,400.0	-6,380.5	630.1	6,410.8	0.00	0.00	0.00
18,700.0	90.00	179.64	12,400.0	-6,480.4	630.8	6,510.5	0.00	0.00	0.00
18,800.0	90.00	179.64	12,400.0	-6,580.4	631.4	6,610.2	0.00	0.00	0.00
18,900.0	90.00	179.64	12,400.0	-6,680.4	632.0	6,709.9	0.00	0.00	0.00
19,000.0	90.00	179.64	12,400.0	-6,780.4	632.6	6,809.6	0.00	0.00	0.00
19,100.0	90.00	179.64	12,400.0	-6,880.4	633.3	6,909.3	0.00	0.00	0.00
19,200.0	90.00	179.64	12,400.0	-6,980.4	633.9	7,009.0	0.00	0.00	0.00
19,300.0	90.00	179.64	12,400.0	-7,080.4	634.5	7,108.7	0.00	0.00	0.00
19,400.0	90.00	179.64	12,400.0	-7,180.4	635.2	7,208.4	0.00	0.00	0.00
19,500.0	90.00	179.64	12,400.0	-7,280.4	635.8	7,308.1	0.00	0.00	0.00
19,600.0	90.00	179.64	12,400.0	-7,380.4	636.4	7,407.8	0.00	0.00	0.00
19,700.0	90.00	179.64	12,400.0	-7,480.4	637.0	7,507.5	0.00	0.00	0.00
19,800.0	90.00	179.64	12,400.0	-7,580.4	637.7	7,607.2	0.00	0.00	0.00



EOG Resources, Inc.

Survey Report

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Audacious BTL 19 Fed Com
Well: #5H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #5H
TVD Reference: KB = 25' @ 3460.0usft
MD Reference: KB = 25' @ 3460.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

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)
19,853.6	90.00	179.64	12,400.0	-7,634.0	638.0	7,660.6	0.00	0.00	0.00
PBHL (Audacious #5H)									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL (Audacious #5H)	0.00	0.00	12,400.0	-7,634.0	638.0	398,987.00	726,030.00	32° 5' 41.382 N	103° 36' 12.414 W
- plan hits target center									
- Point									
FTP (Audacious #5H)	0.00	0.00	12,400.0	-275.0	592.0	406,346.00	725,984.00	32° 6' 54.208 N	103° 36' 12.369 W
- plan misses target center by 39.9usft at 12504.3usft MD (12363.1 TVD, -289.8 N, 589.2 E)									
- Point									

Checked By: _____ Approved By: _____ Date: _____