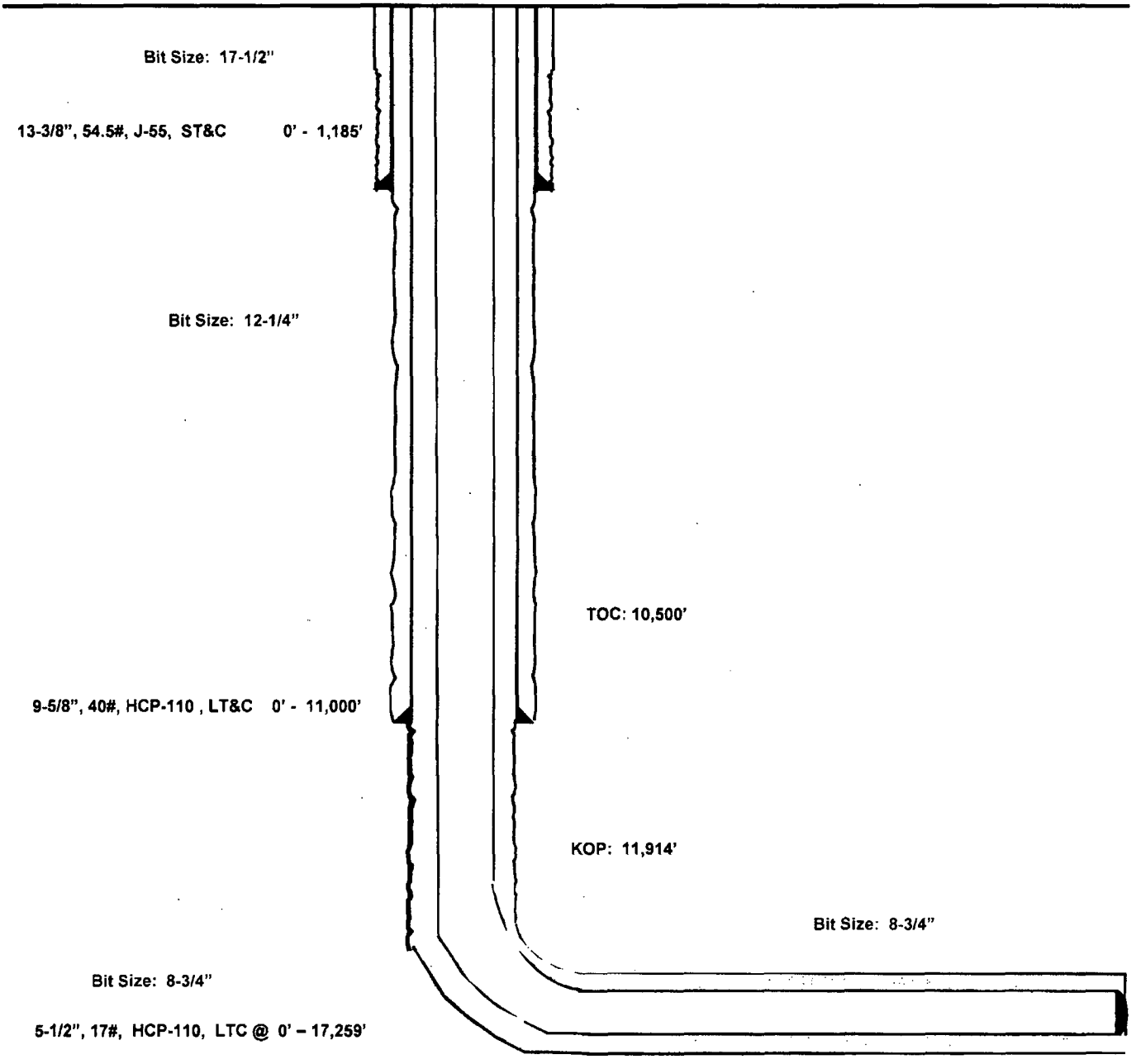
Dillon 31 #702H

Lea County, New Mexico
Proposed Wellbore

230' FSL
1200' FEL
Section 31
T-24-S, R-34-E

API: 30-025-*****

KB: 3,461'
GL: 3,436'



Lateral: 17,259' MD, 12,500' TVD

BH Location: 230' FNL & 1510' FEL
Section 31
T-24-S, R-34-E

FEB 12 2015

eog resources

Lea County, NM (NAD 27 NME)

Dillon 31 #702H

Plan #1

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

Azimuths to Grid North
True North: -0.44°
Magnetic North: 6.73°

Magnetic Field
Strength: 48154.9nT
Dip Angle: 60.03°
Date: 2/4/2015
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.73°
To convert a Magnetic Direction to a True Direction, Add 7.17° East
To convert a True Direction to a Grid Direction, Subtract 0.44°

WELL DETAILS: #702H

Ground Level: 3436.0
KB = 25' @ 3461.0usft

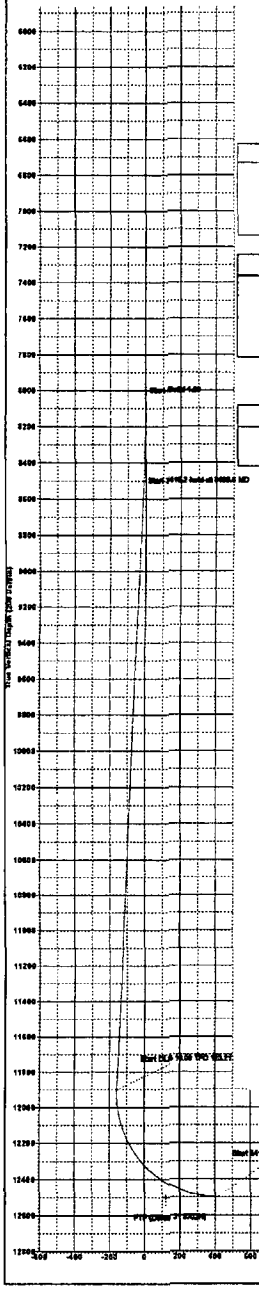
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	425574.00	756672.00	32° 10' 2.282 N	103° 30' 13.553 W	

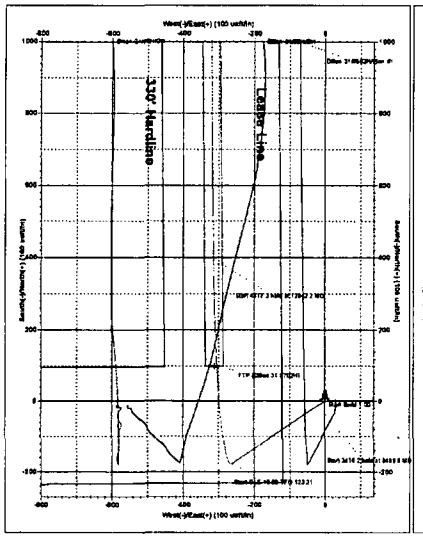
SECTION DETAILS

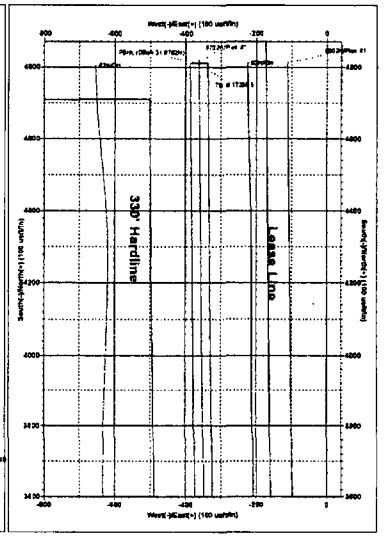
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	6000.0	0.00	0.00	6000.0	0.0	0.0	0.00	0.00	0.0		
3	6488.8	4.89	236.07	6488.8	-12.1	-18.0	1.00	236.07	-10.7		
4	11814.8	4.89	236.07	11801.5	-177.8	-264.4	0.00	0.00	-157.5		
5	12642.2	90.00	359.38	12500.0	384.0	-314.2	10.00	123.21	416.4		
6	17269.6	90.00	359.38	12500.0	4811.0	-362.0	0.00	0.00	4824.6	PBHL (Dillon 31 #702H)	

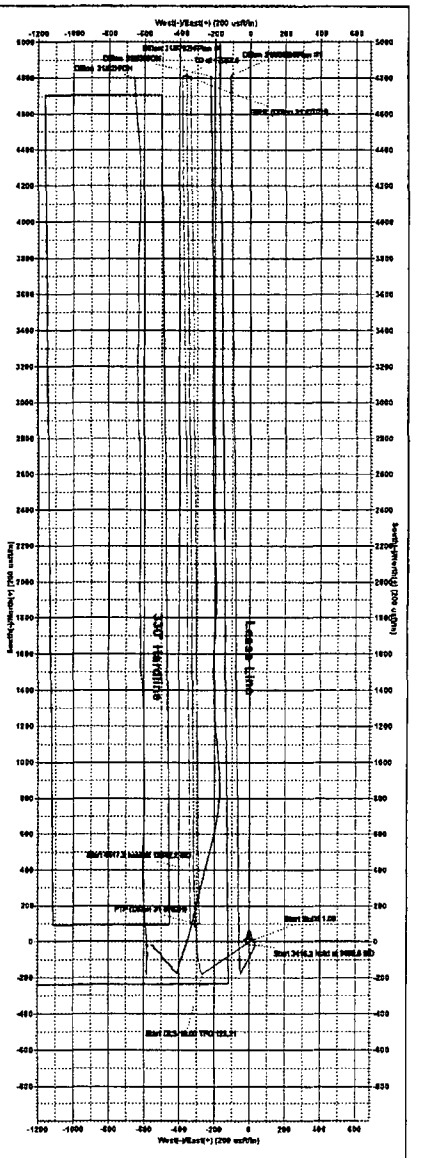
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

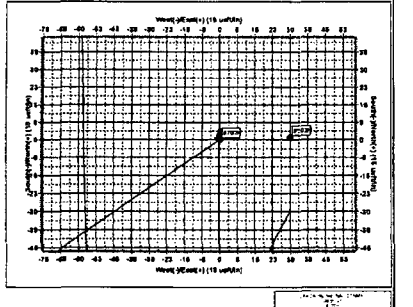
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
FTP (Dillon 31 #702H)	12500.0	99.0	-311.0	425672.00	756361.00	Point
PBHL (Dillon 31 #702H)	12500.0	4811.0	-362.0	430385.00	756310.00	Rectangle (Sides: L0.0 W50.0)

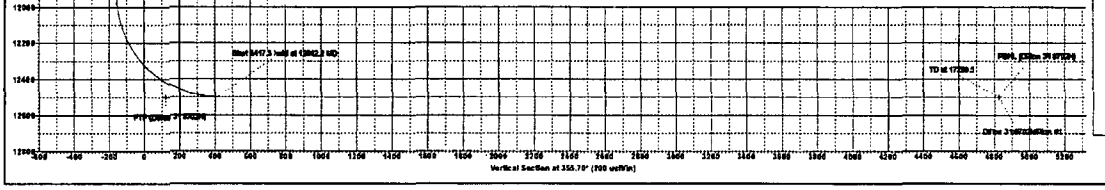












eog resources

EOG Resources - Midland

Lea County, NM (NAD 27 NME)
Dillon 31
#702H

OH

Plan: Plan #1

Standard Survey Report

05 February, 2015

EOG Resources, Inc.

Survey Report

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #702H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3461.0usft
Site:	Dillon 31	**MD Reference:**	KB = 25' @ 3461.0usft
Well:	#702H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**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	Dillon 31				
Site Position:		**Northing:**	425,706.00 usft	**Latitude:**	32° 10' 3.685 N
From:	Map	**Easting:**	755,398.00 usft	**Longitude:**	103° 30' 28.661 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.44 °

Well	#702H					
Well Position	**+N/-S**	0.0 usft	**Northing:**	425,574.00 usft	**Latitude:**	32° 10' 2.282 N
	+E/-W	0.0 usft	**Easting:**	756,672.00 usft	**Longitude:**	103° 30' 13.853 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	0.0 usft	**Ground Level:**	3,436.0 usft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	2/4/2015	7.17	60.05	48,155

Design	Plan #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	355.70	

Survey Tool Program	**Date** 2/5/2015			
From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
0.0	17,259.5	Plan #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.

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Site:	Dillon 31	**MD Reference:**	KB = 25' @ 3461.0usft
Well:	#702H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**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	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #702H
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Well:	#702H	**North Reference:**	Grid
Wellbore:	OH	***Survey Calculation Method:***	*Minimum Curvature*
Design:	Plan #1	**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)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	1.00	236.07	8,100.0	-0.5	-0.7	-0.4	1.00	1.00	0.00
8,200.0	2.00	236.07	8,200.0	-1.9	-2.9	-1.7	1.00	1.00	0.00
8,300.0	3.00	236.07	8,299.9	-4.4	-6.5	-3.9	1.00	1.00	0.00
8,400.0	4.00	236.07	8,399.7	-7.8	-11.6	-6.9	1.00	1.00	0.00
8,498.6	4.99	236.07	8,498.0	-12.1	-18.0	-10.7	1.00	1.00	0.00
8,500.0	4.99	236.07	8,499.4	-12.2	-18.1	-10.8	0.00	0.00	0.00
8,600.0	4.99	236.07	8,599.0	-17.0	-25.3	-15.1	0.00	0.00	0.00
8,700.0	4.99	236.07	8,698.6	-21.9	-32.5	-19.4	0.00	0.00	0.00
8,800.0	4.99	236.07	8,798.2	-26.7	-39.7	-23.7	0.00	0.00	0.00
8,900.0	4.99	236.07	8,897.9	-31.6	-46.9	-28.0	0.00	0.00	0.00
9,000.0	4.99	236.07	8,997.5	-36.4	-54.1	-32.3	0.00	0.00	0.00
9,100.0	4.99	236.07	9,097.1	-41.3	-61.4	-36.6	0.00	0.00	0.00
9,200.0	4.99	236.07	9,196.7	-46.1	-68.6	-40.9	0.00	0.00	0.00
9,300.0	4.99	236.07	9,296.3	-51.0	-75.8	-45.2	0.00	0.00	0.00
9,400.0	4.99	236.07	9,396.0	-55.8	-83.0	-49.4	0.00	0.00	0.00
9,500.0	4.99	236.07	9,495.6	-60.7	-90.2	-53.7	0.00	0.00	0.00

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Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
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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	4.99	236.07	9,595.2	-65.5	-97.4	-58.0	0.00	0.00	0.00
9,700.0	4.99	236.07	9,694.8	-70.4	-104.6	-62.3	0.00	0.00	0.00
9,800.0	4.99	236.07	9,794.4	-75.2	-111.8	-66.6	0.00	0.00	0.00
9,900.0	4.99	236.07	9,894.1	-80.1	-119.1	-70.9	0.00	0.00	0.00
10,000.0	4.99	236.07	9,993.7	-84.9	-126.3	-75.2	0.00	0.00	0.00
10,100.0	4.99	236.07	10,093.3	-89.8	-133.5	-79.5	0.00	0.00	0.00
10,200.0	4.99	236.07	10,192.9	-94.6	-140.7	-83.8	0.00	0.00	0.00
10,300.0	4.99	236.07	10,292.6	-99.5	-147.9	-88.1	0.00	0.00	0.00
10,400.0	4.99	236.07	10,392.2	-104.3	-155.1	-92.4	0.00	0.00	0.00
10,500.0	4.99	236.07	10,491.8	-109.2	-162.3	-96.7	0.00	0.00	0.00
10,600.0	4.99	236.07	10,591.4	-114.1	-169.5	-101.0	0.00	0.00	0.00
10,700.0	4.99	236.07	10,691.0	-118.9	-176.7	-105.3	0.00	0.00	0.00
10,800.0	4.99	236.07	10,790.7	-123.8	-184.0	-109.6	0.00	0.00	0.00
10,900.0	4.99	236.07	10,890.3	-128.6	-191.2	-113.9	0.00	0.00	0.00
11,000.0	4.99	236.07	10,989.9	-133.5	-198.4	-118.2	0.00	0.00	0.00
11,100.0	4.99	236.07	11,089.5	-138.3	-205.6	-122.5	0.00	0.00	0.00
11,200.0	4.99	236.07	11,189.1	-143.2	-212.8	-126.8	0.00	0.00	0.00
11,300.0	4.99	236.07	11,288.8	-148.0	-220.0	-131.1	0.00	0.00	0.00
11,400.0	4.99	236.07	11,388.4	-152.9	-227.2	-135.4	0.00	0.00	0.00
11,500.0	4.99	236.07	11,488.0	-157.7	-234.4	-139.7	0.00	0.00	0.00
11,600.0	4.99	236.07	11,587.6	-162.6	-241.7	-144.0	0.00	0.00	0.00
11,700.0	4.99	236.07	11,687.3	-167.4	-248.9	-148.3	0.00	0.00	0.00
11,800.0	4.99	236.07	11,786.9	-172.3	-256.1	-152.6	0.00	0.00	0.00
11,900.0	4.99	236.07	11,886.5	-177.1	-263.3	-156.9	0.00	0.00	0.00
11,914.8	4.99	236.07	11,901.3	-177.8	-264.4	-157.5	0.00	0.00	0.00
11,950.0	4.24	279.98	11,936.3	-178.5	-266.9	-157.9	10.00	-2.12	124.90
12,000.0	7.12	323.69	11,986.1	-175.6	-270.6	-154.9	10.00	5.76	87.40
12,050.0	11.55	338.48	12,035.4	-168.5	-274.2	-147.4	10.00	8.85	29.58
12,100.0	16.31	344.95	12,084.0	-157.0	-277.9	-135.8	10.00	9.52	12.95
12,150.0	21.18	348.53	12,131.3	-141.4	-281.5	-119.9	10.00	9.74	7.16
12,200.0	26.09	350.82	12,177.1	-121.7	-285.1	-100.0	10.00	9.83	4.57
12,250.0	31.03	352.42	12,221.0	-98.0	-288.5	-76.1	10.00	9.88	3.20
12,300.0	35.99	353.62	12,262.7	-70.6	-291.9	-48.6	10.00	9.91	2.40
12,350.0	40.96	354.56	12,301.8	-39.7	-295.1	-17.5	10.00	9.93	1.89
12,400.0	45.93	355.33	12,338.1	-5.5	-298.1	16.9	10.00	9.94	1.54
12,450.0	50.90	355.98	12,371.3	31.8	-300.9	54.3	10.00	9.95	1.30
12,500.0	55.88	356.55	12,401.1	71.8	-303.5	94.4	10.00	9.96	1.13
12,550.0	60.86	357.05	12,427.3	114.3	-305.9	137.0	10.00	9.96	1.00
12,600.0	65.85	357.51	12,449.7	159.0	-308.0	181.6	10.00	9.97	0.91
12,650.0	70.83	357.93	12,468.1	205.4	-309.8	228.0	10.00	9.97	0.84
12,700.0	75.82	358.32	12,482.5	253.2	-311.4	275.9	10.00	9.97	0.79
12,750.0	80.80	358.70	12,492.6	302.2	-312.7	324.8	10.00	9.97	0.76
12,800.0	85.79	359.07	12,498.5	351.8	-313.6	374.3	10.00	9.97	0.74

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #702H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3461.0usft
Site:	Dillon 31	**MD Reference:**	KB = 25' @ 3461.0usft
Well:	#702H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**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)
12,842.2	90.00	359.38	12,500.0	394.0	-314.2	416.4	10.00	9.97	0.73
12,900.0	90.00	359.38	12,500.0	451.8	-314.8	474.1	0.00	0.00	0.00
13,000.0	90.00	359.38	12,500.0	551.7	-315.9	573.9	0.00	0.00	0.00
13,100.0	90.00	359.38	12,500.0	651.7	-317.0	673.7	0.00	0.00	0.00
13,200.0	90.00	359.38	12,500.0	751.7	-318.1	773.5	0.00	0.00	0.00
13,300.0	90.00	359.38	12,500.0	851.7	-319.2	873.3	0.00	0.00	0.00
13,400.0	90.00	359.38	12,500.0	951.7	-320.2	973.1	0.00	0.00	0.00
13,500.0	90.00	359.38	12,500.0	1,051.7	-321.3	1,072.9	0.00	0.00	0.00
13,600.0	90.00	359.38	12,500.0	1,151.7	-322.4	1,172.7	0.00	0.00	0.00
13,700.0	90.00	359.38	12,500.0	1,251.7	-323.5	1,272.5	0.00	0.00	0.00
13,800.0	90.00	359.38	12,500.0	1,351.7	-324.6	1,372.2	0.00	0.00	0.00
13,900.0	90.00	359.38	12,500.0	1,451.7	-325.6	1,472.0	0.00	0.00	0.00
14,000.0	90.00	359.38	12,500.0	1,551.7	-326.7	1,571.8	0.00	0.00	0.00
14,100.0	90.00	359.38	12,500.0	1,651.7	-327.8	1,671.6	0.00	0.00	0.00
14,200.0	90.00	359.38	12,500.0	1,751.7	-328.9	1,771.4	0.00	0.00	0.00
14,300.0	90.00	359.38	12,500.0	1,851.7	-330.0	1,871.2	0.00	0.00	0.00
14,400.0	90.00	359.38	12,500.0	1,951.7	-331.1	1,971.0	0.00	0.00	0.00
14,500.0	90.00	359.38	12,500.0	2,051.7	-332.1	2,070.8	0.00	0.00	0.00
14,600.0	90.00	359.38	12,500.0	2,151.7	-333.2	2,170.6	0.00	0.00	0.00
14,700.0	90.00	359.38	12,500.0	2,251.7	-334.3	2,270.4	0.00	0.00	0.00
14,800.0	90.00	359.38	12,500.0	2,351.6	-335.4	2,370.2	0.00	0.00	0.00
14,900.0	90.00	359.38	12,500.0	2,451.6	-336.5	2,470.0	0.00	0.00	0.00
15,000.0	90.00	359.38	12,500.0	2,551.6	-337.6	2,569.8	0.00	0.00	0.00
15,100.0	90.00	359.38	12,500.0	2,651.6	-338.6	2,669.6	0.00	0.00	0.00
15,200.0	90.00	359.38	12,500.0	2,751.6	-339.7	2,769.4	0.00	0.00	0.00
15,300.0	90.00	359.38	12,500.0	2,851.6	-340.8	2,869.1	0.00	0.00	0.00
15,400.0	90.00	359.38	12,500.0	2,951.6	-341.9	2,968.9	0.00	0.00	0.00
15,500.0	90.00	359.38	12,500.0	3,051.6	-343.0	3,068.7	0.00	0.00	0.00
15,600.0	90.00	359.38	12,500.0	3,151.6	-344.0	3,168.5	0.00	0.00	0.00
15,700.0	90.00	359.38	12,500.0	3,251.6	-345.1	3,268.3	0.00	0.00	0.00
15,800.0	90.00	359.38	12,500.0	3,351.6	-346.2	3,368.1	0.00	0.00	0.00
15,900.0	90.00	359.38	12,500.0	3,451.6	-347.3	3,467.9	0.00	0.00	0.00
16,000.0	90.00	359.38	12,500.0	3,551.6	-348.4	3,567.7	0.00	0.00	0.00
16,100.0	90.00	359.38	12,500.0	3,651.6	-349.5	3,667.5	0.00	0.00	0.00
16,200.0	90.00	359.38	12,500.0	3,751.6	-350.5	3,767.3	0.00	0.00	0.00
16,300.0	90.00	359.38	12,500.0	3,851.6	-351.6	3,867.1	0.00	0.00	0.00
16,400.0	90.00	359.38	12,500.0	3,951.6	-352.7	3,966.9	0.00	0.00	0.00
16,500.0	90.00	359.38	12,500.0	4,051.5	-353.8	4,066.7	0.00	0.00	0.00
16,600.0	90.00	359.38	12,500.0	4,151.5	-354.9	4,166.5	0.00	0.00	0.00
16,700.0	90.00	359.38	12,500.0	4,251.5	-355.9	4,266.3	0.00	0.00	0.00
16,800.0	90.00	359.38	12,500.0	4,351.5	-357.0	4,366.0	0.00	0.00	0.00
16,900.0	90.00	359.38	12,500.0	4,451.5	-358.1	4,465.8	0.00	0.00	0.00
17,000.0	90.00	359.38	12,500.0	4,551.5	-359.2	4,565.6	0.00	0.00	0.00
17,100.0	90.00	359.38	12,500.0	4,651.5	-360.3	4,665.4	0.00	0.00	0.00

EOG Resources, Inc.

Survey Report

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #702H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3461.0usft
Site:	Dillon 31	**MD Reference:**	KB = 25' @ 3461.0usft
Well:	#702H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**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)
17,200.0	90.00	359.38	12,500.0	4,751.5	-361.4	4,765.2	0.00	0.00	0.00
17,259.5	90.00	359.38	12,500.0	4,811.0	-362.0	4,824.6	0.00	0.00	0.00

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
PBHL (Dillon 31 #702H) - plan hits target center - Rectangle (sides W50.0 H0.0 D4,713.0)	90.00	359.38	12,500.0	4,811.0	-362.0	430,385.00	756,310.00	32° 10' 49.916 N	103° 30' 17.633 W
FTP (Dillon 31 #702H) - plan misses target center by 71.9usft at 12568.2usft MD (12435.9 TVD, 130.4 N, -306.7 E) - Point	0.00	0.00	12,500.0	98.0	-311.0	425,672.00	756,361.00	32° 10' 3.275 N	103° 30' 17.462 W

Checked By: _____ Approved By: _____ Date: _____