



Lea County, NM (NAD 27 NME)

Magnolia 15 #702H

H&P 621

Plan #2

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

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1886
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #702H

Ground Level: 3295.0
KB = 25' @ 3320.0usft (H&P 621)
Northing: 382620.00
Easting: 737810.00
Latitude: 32° 2' 58.609 N
Longitude: 103° 33' 58.636 W

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

Magnetic Field
Strength: 47878.1nT
Dip Angle: 59.91°
Date: 1/18/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.58°
To convert a Magnetic Direction to a True Direction, Add 6.98° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

SECTION DETAILS

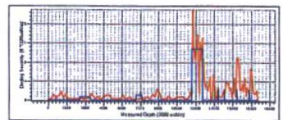
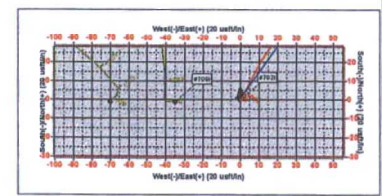
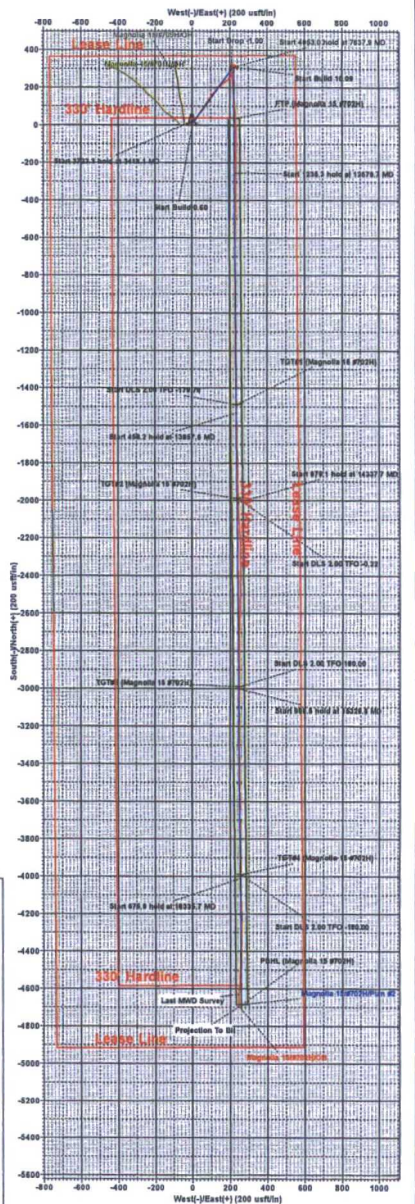
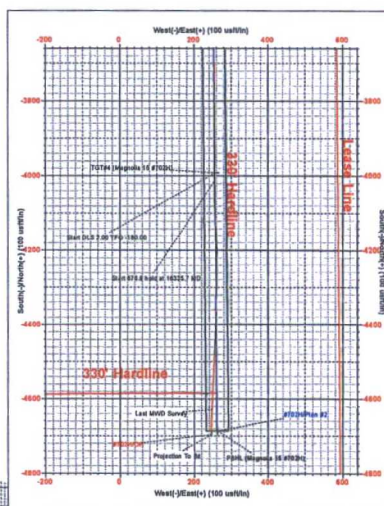
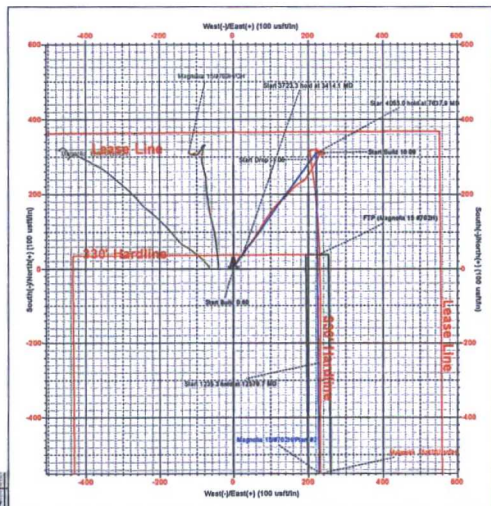
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2580.0	0.00	0.00	2580.0	0.0	0.0	0.00	0.00	0.0	
3	3414.1	5.00	35.77	3413.1	29.5	21.3	0.60	35.77	-28.3	
4	7137.4	5.00	35.77	7122.2	293.1	211.1	0.00	0.00	-280.8	
5	7637.9	0.00	0.00	7622.0	310.8	223.9	1.00	180.00	-297.8	
6	11690.9	0.00	0.00	11675.0	310.8	223.9	0.00	0.00	-297.8	
7	12579.8	89.67	179.55	12242.9	-253.7	228.3	10.09	179.55	266.1	
8	13814.9	89.67	179.55	12250.0	-1489.0	237.9	0.00	0.00	1500.0	TGT#1 (Magnolia 15 #702H)
9	13857.4	88.82	179.55	12250.6	-1531.5	238.2	2.00	-179.78	1542.4	TGT#2 (Magnolia 15 #702H)
10	14315.7	88.82	179.55	12260.0	-1989.6	241.8	0.00	0.00	2000.0	TGT#3 (Magnolia 15 #702H)
11	14337.7	89.26	179.55	12260.4	-2011.7	242.0	2.00	-0.22	2022.1	TGT#4 (Magnolia 15 #702H)
12	15316.9	89.26	179.55	12273.0	-2990.7	249.7	0.00	0.00	3000.0	PBHL (Magnolia 15 #702H)
13	15328.6	89.03	179.55	12273.2	-3002.5	249.8	2.00	180.00	3011.7	
14	16318.2	89.03	179.55	12290.0	-3991.8	257.5	0.00	0.00	4000.0	
15	16335.7	88.68	179.55	12290.4	-4009.3	257.7	2.00	-180.00	4017.5	
16	17012.6	88.68	179.55	12306.0	-4686.0	263.0	0.00	0.00	4693.4	

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Magnolia 15 #702H)	12243.0	38.0	226.0	382686.00	738036.00
TGT#1 (Magnolia 15 #702H)	12260.0	-1489.0	237.9	381151.00	738047.89
TGT#2 (Magnolia 15 #702H)	12260.0	-1989.6	241.8	380630.40	738051.81
TGT#3 (Magnolia 15 #702H)	12273.0	-2990.7	249.7	379625.30	738069.68
TGT#4 (Magnolia 15 #702H)	12290.0	-3991.8	257.5	378628.20	738075.54
PBHL (Magnolia 15 #702H)	12306.0	-4686.0	263.0	377934.00	738073.00



Lea County, NM (NAD 27 NME)
Magnolia 15 #702H
H&P 621
Plan #2
1/18/2017



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Magnolia 15

#702H

OH

Design: OH

PVA

27 March, 2017



EOG Resources, Inc.

PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3320.0usft (H&P 621)
Site:	Magnolia 15	MD Reference:	KB = 25' @ 3320.0usft (H&P 621)
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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	Magnolia 15		
Site Position:		Northing:	382,619.00 usft
From:	Map	Easting:	737,740.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 58.604 N
		Longitude:	103° 33' 57.649 W
		Grid Convergence:	0.41 °

Well	#702H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty		0.0 usft	Wellhead Elevation:
			0.0 usft
			Latitude:
			32° 2' 58.609 N
			Longitude:
			103° 33' 56.836 W
			Ground Level:
			3,295.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	1/18/2017	6.98
			Dip Angle (°)
			59.91
			Field Strength (nT)
			47,878

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			176.79

Survey Program	Date 3/27/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
169.0	17,017.0	Intrepid MWD (OH)	MWD
			Description
			MWD - Standard



EOG Resources, Inc.

PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Magnolia 15
Well: #702H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25' @ 3320.0usft (H&P 621)
MD Reference: KB = 25' @ 3320.0usft (H&P 621)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	
169.0	0.30	134.60	169.0	-0.3	0.3	0.18	0.18	0.00	-0.4	0.0	
260.0	0.40	155.30	260.0	-0.8	0.6	0.18	0.11	22.75	-1.0	0.2	
341.0	0.10	55.00	341.0	-1.0	0.8	0.53	-0.37	-123.83	-0.1	-1.3	
430.0	0.90	357.40	430.0	-0.2	0.8	0.96	0.90	-64.72	0.3	-0.8	
525.0	0.20	26.40	525.0	0.7	0.9	0.77	-0.74	30.53	-1.0	-0.5	
617.0	0.10	38.80	617.0	0.9	1.0	0.11	-0.11	13.48	-1.3	-0.2	
712.0	0.50	241.10	712.0	0.7	0.7	0.62	0.42	-166.00	0.9	-0.3	
867.0	0.80	54.20	867.0	1.0	1.0	0.84	0.19	111.68	-1.4	0.3	
1,053.0	3.70	25.50	1,052.8	7.2	4.6	1.63	1.56	-15.43	-8.5	-1.1	
1,239.0	3.40	27.60	1,238.5	17.5	9.7	0.18	-0.16	1.13	-20.0	-0.5	
1,428.0	5.50	37.40	1,426.9	29.7	17.8	1.18	1.11	5.19	-34.4	3.9	
1,615.0	5.60	38.60	1,613.0	43.9	29.0	0.08	0.05	0.64	-52.4	4.8	
1,803.0	5.70	35.40	1,800.1	58.7	40.1	0.18	0.05	-1.70	-71.1	1.3	
1,989.0	5.50	34.40	1,985.2	73.6	50.5	0.12	-0.11	-0.54	-89.2	-0.1	
2,175.0	5.40	34.30	2,170.4	88.2	60.5	0.05	-0.05	-0.05	-106.9	-0.3	
2,361.0	5.00	33.20	2,355.6	102.2	69.8	0.22	-0.22	-0.59	-123.7	-2.5	
2,548.0	5.00	28.90	2,541.9	116.1	78.2	0.20	0.00	-2.30	-139.5	-12.4	
2,734.0	5.60	34.50	2,727.1	130.7	87.3	0.43	0.32	3.01	-156.0	2.1	
2,921.0	5.60	34.00	2,913.2	145.8	97.6	0.03	0.00	-0.27	-169.5	0.8	
3,108.0	5.80	39.90	3,099.3	160.6	108.7	0.33	0.11	3.16	-178.6	18.6	
3,294.0	5.50	44.30	3,284.4	174.2	121.0	0.28	-0.16	2.37	-182.9	31.1	
3,482.0	3.50	54.60	3,471.8	184.0	131.9	1.14	-1.06	5.48	-174.2	59.7	
3,669.0	4.30	40.20	3,658.4	192.6	141.1	0.67	0.43	-7.70	-179.6	12.0	
3,856.0	4.10	41.00	3,844.9	203.0	150.0	0.11	-0.11	0.43	-177.1	13.1	
4,043.0	3.00	47.50	4,031.5	211.4	158.0	0.63	-0.59	3.48	-170.0	30.4	
4,230.0	3.30	47.00	4,218.2	218.4	165.6	0.16	0.16	-0.27	-164.5	25.7	



EOG Resources, Inc.
PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Magnolia 15
Well: #702H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25' @ 3320.0usft (H&P 621)
MD Reference: KB = 25' @ 3320.0usft (H&P 621)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,418.0	2.80	49.60	4,406.0	225.0	173.0	0.28	-0.27	1.38	-157.3	29.5	
4,606.0	1.80	71.50	4,593.8	228.9	179.3	0.70	-0.53	11.65	-128.9	78.0	
4,793.0	3.40	56.80	4,780.6	232.9	186.7	0.92	0.86	-7.86	-137.6	36.2	
4,981.0	4.30	35.60	4,968.2	241.7	195.5	0.89	0.48	-11.28	-137.2	-17.8	
5,169.0	4.40	33.20	5,155.6	253.5	203.6	0.11	0.05	-1.28	-134.2	-23.0	
5,357.0	4.10	29.30	5,343.1	265.4	210.8	0.22	-0.16	-2.07	-130.0	-30.7	
5,545.0	3.80	30.00	5,530.7	276.6	217.2	0.16	-0.16	0.37	-126.9	-27.4	
5,732.0	3.70	24.70	5,717.3	287.5	222.8	0.19	-0.05	-2.83	-120.1	-36.4	
5,919.0	3.20	27.40	5,903.9	297.6	227.8	0.28	-0.27	1.44	-116.7	-28.1	
6,107.0	1.50	22.40	6,091.8	304.5	231.1	0.91	-0.90	-2.66	-105.5	-34.9	
6,293.0	1.50	23.70	6,277.7	309.0	233.0	0.02	0.00	0.70	-95.3	-29.0	
6,480.0	0.90	21.80	6,464.7	312.6	234.5	0.32	-0.32	-1.02	-82.4	-28.3	
6,667.0	0.40	299.30	6,651.7	314.3	234.5	0.50	-0.27	-44.12	14.6	-70.6	
6,854.0	0.40	295.60	6,838.7	314.9	233.4	0.01	0.00	-1.98	15.0	-53.5	
7,042.0	0.60	271.40	7,026.7	315.2	231.8	0.15	0.11	-12.87	24.7	-29.4	
7,229.0	0.60	260.60	7,213.6	315.1	229.8	0.06	0.00	-5.78	16.8	-13.4	
7,416.0	1.00	250.20	7,400.6	314.3	227.3	0.23	0.21	-5.56	7.9	-4.6	
7,602.0	0.80	249.90	7,586.6	313.3	224.6	0.11	-0.11	-0.16	1.6	-2.2	
7,790.0	1.30	239.50	7,774.6	311.8	221.5	0.28	0.27	-5.53	-1.5	-2.1	
7,977.0	0.50	194.80	7,961.5	309.9	219.5	0.54	-0.43	-23.90	-2.0	-4.0	
8,165.0	0.20	91.80	8,149.5	309.1	219.6	0.31	-0.16	-54.79	4.2	-1.8	
8,353.0	0.80	86.50	8,337.5	309.2	221.2	0.32	0.32	-2.82	2.8	-1.4	
8,540.0	2.80	68.90	8,524.4	310.9	226.8	1.10	1.07	-9.41	-2.8	-0.9	
8,727.0	3.80	79.40	8,711.1	313.7	237.2	0.62	0.53	5.61	-13.6	0.4	
8,920.0	2.40	154.80	8,903.9	311.2	245.2	2.05	-0.73	39.07	-8.7	19.4	
9,107.0	0.90	248.80	9,090.8	307.2	245.5	1.40	-0.80	50.27	18.8	11.2	
9,294.0	0.90	236.80	9,277.8	305.8	242.9	0.10	0.00	-6.42	13.1	14.6	



EOG Resources, Inc.

PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3320.0usft (H&P 621)
Site:	Magnolia 15	MD Reference:	KB = 25' @ 3320.0usft (H&P 621)
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
9,481.0	1.10	264.70	9,464.8	304.9	239.9	0.28	0.11	14.92	15.3	7.4	
9,668.0	1.30	254.00	9,651.8	304.1	236.0	0.16	0.11	-5.72	9.8	9.8	
9,855.0	1.70	311.30	9,838.7	305.4	231.9	0.79	0.21	30.64	9.6	-1.2	
10,038.0	1.40	299.30	10,021.6	308.2	227.9	0.24	-0.16	-6.56	4.8	0.3	
10,225.0	1.30	315.30	10,208.6	310.9	224.4	0.21	-0.05	8.56	0.3	-0.4	
10,412.0	1.00	346.10	10,395.5	314.0	222.5	0.36	-0.16	16.47	-3.4	0.6	
10,599.0	1.20	51.20	10,582.5	316.8	223.7	0.64	0.11	34.81	-3.6	4.8	
10,786.0	0.60	10.70	10,769.5	319.0	225.4	0.45	-0.32	-21.66	-8.3	0.0	
10,973.0	0.90	254.90	10,956.5	319.5	224.2	0.68	0.16	-61.93	2.5	-8.3	
11,161.0	1.10	251.40	11,144.5	318.6	221.0	0.11	0.11	-1.86	-0.3	-8.3	
11,347.0	1.50	249.00	11,330.4	317.1	217.1	0.22	0.22	-1.29	-4.1	-8.3	
11,515.0	2.40	266.70	11,498.3	316.1	211.5	0.64	0.54	10.54	-12.1	-6.0	
11,552.0	2.40	280.80	11,535.3	316.2	210.0	1.59	0.00	38.11	-14.7	-2.7	
11,645.0	1.60	294.20	11,628.2	317.1	206.9	0.99	-0.86	14.41	-18.1	1.2	
11,692.0	0.70	246.30	11,675.2	317.3	206.0	2.65	-1.91	-101.91	-13.8	-13.1	
11,739.0	5.90	173.10	11,722.1	314.8	206.0	12.21	11.06	-155.74	8.0	-17.1	
11,786.0	14.20	174.70	11,768.4	306.6	206.8	17.67	17.66	3.40	5.0	-16.7	
11,832.0	19.40	173.70	11,812.4	293.4	208.2	11.32	11.30	-2.17	1.1	-15.8	
11,879.0	23.30	171.80	11,856.1	276.4	210.4	8.43	8.30	-4.04	-2.6	-14.2	
11,925.0	27.80	170.50	11,897.6	256.8	213.5	9.86	9.78	-2.83	-6.1	-11.8	
11,972.0	31.40	172.30	11,938.5	233.9	216.9	7.89	7.66	3.83	-9.7	-8.7	
12,020.0	35.50	173.30	11,978.5	207.7	220.2	8.62	8.54	2.08	-12.3	-5.6	
12,067.0	40.50	174.70	12,015.6	178.9	223.2	10.79	10.64	2.98	-14.5	-2.7	
12,114.0	45.50	175.10	12,049.9	147.0	226.1	10.65	10.64	0.85	-16.7	-0.1	
12,161.0	51.40	176.60	12,081.1	111.9	228.6	12.78	12.55	3.19	-19.4	2.5	
12,207.0	54.30	178.10	12,108.9	75.3	230.3	6.82	6.30	3.26	-21.5	4.2	
12,254.0	55.40	178.50	12,135.9	36.9	231.4	2.44	2.34	0.85	-21.3	5.2	



EOG Resources, Inc.

PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3320.0usft (H&P 621)
Site:	Magnolia 15	MD Reference:	KB = 25' @ 3320.0usft (H&P 621)
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12,301.0	56.00	178.40	12,162.4	-1.9	232.5	1.29	1.28	-0.21	-17.9	6.0
12,348.0	61.30	179.20	12,186.9	-42.1	233.3	11.37	11.28	1.70	-12.8	6.6
12,395.0	66.20	179.90	12,207.6	-84.2	233.6	10.51	10.43	1.49	-7.9	6.7
12,442.0	69.90	180.00	12,225.2	-127.8	233.7	7.87	7.87	0.21	-2.7	6.4
12,489.0	74.70	180.10	12,239.5	-172.5	233.6	10.21	10.21	0.21	2.8	6.0
12,536.0	80.40	180.10	12,249.6	-218.4	233.5	12.13	12.13	0.00	8.0	5.5
12,583.0	84.80	180.50	12,255.7	-265.0	233.3	9.40	9.36	0.85	12.7	4.9
12,689.0	88.70	179.60	12,261.7	-370.8	233.2	3.78	3.68	-0.85	18.1	4.0
12,783.0	90.40	181.10	12,262.4	-464.8	232.6	2.41	1.81	1.60	18.3	2.7
12,877.0	88.00	179.20	12,263.7	-558.8	232.4	3.26	-2.55	-2.02	19.1	1.7
12,971.0	89.20	180.40	12,266.0	-652.8	232.7	1.81	1.28	1.28	20.8	1.3
13,065.0	91.20	181.70	12,265.7	-746.7	231.0	2.54	2.13	1.38	19.9	-1.1
13,159.0	87.80	179.30	12,266.5	-840.7	230.2	4.43	-3.62	-2.55	20.2	-2.7
13,253.0	87.80	179.40	12,270.1	-934.6	231.2	0.11	0.00	0.11	23.3	-2.4
13,347.0	87.50	179.10	12,274.0	-1,028.5	232.5	0.45	-0.32	-0.32	26.6	-1.9
13,440.0	91.90	180.40	12,274.5	-1,121.5	232.9	4.93	4.73	1.40	26.6	-2.2
13,534.0	88.70	179.30	12,274.0	-1,215.5	233.1	3.60	-3.40	-1.17	25.5	-2.7
13,627.0	88.70	179.20	12,276.1	-1,308.5	234.3	0.11	0.00	-0.11	27.1	-2.2
13,722.0	89.10	178.80	12,277.9	-1,403.4	236.0	0.60	0.42	-0.42	28.4	-1.2
13,815.0	91.30	178.90	12,277.6	-1,496.4	237.8	2.37	2.37	0.11	27.5	-0.1
13,909.0	91.90	179.30	12,275.0	-1,590.4	239.3	0.77	0.64	0.43	23.2	0.6
14,003.0	92.00	178.80	12,271.8	-1,684.3	240.9	0.54	0.11	-0.53	18.0	1.5
14,096.0	92.50	178.70	12,268.1	-1,777.2	242.9	0.55	0.54	-0.11	12.5	2.8
14,189.0	91.60	179.20	12,264.8	-1,870.1	244.6	1.11	-0.97	0.54	7.2	3.7
14,283.0	90.50	178.10	12,263.1	-1,964.1	246.8	1.65	-1.17	-1.17	3.6	5.2
14,377.0	91.60	178.80	12,261.3	-2,058.0	249.4	1.39	1.17	0.74	0.4	7.0
14,470.0	88.60	177.30	12,261.2	-2,151.0	252.5	3.61	-3.23	-1.61	-1.0	9.5



EOG Resources, Inc.
PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Magnolia 15
Well: #702H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25' @ 3320.0usft (H&P 621)
MD Reference: KB = 25' @ 3320.0usft (H&P 621)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,563.0	90.80	179.50	12,261.7	-2,243.9	255.1	3.35	2.37	2.37	-1.7	11.3
14,657.0	88.00	178.50	12,262.6	-2,337.9	256.8	3.16	-2.98	-1.06	-1.9	12.2
14,750.0	88.10	180.30	12,265.8	-2,430.8	257.7	1.94	0.11	1.94	0.0	12.5
14,844.0	90.00	181.50	12,267.4	-2,524.8	256.3	2.39	2.02	1.28	0.4	10.3
14,934.0	90.00	181.00	12,267.4	-2,614.8	254.3	0.56	0.00	-0.56	-0.8	7.6
15,032.0	88.60	181.60	12,268.6	-2,712.7	252.1	1.55	-1.43	0.61	-0.8	4.6
15,126.0	85.10	179.70	12,273.7	-2,806.6	251.0	4.24	-3.72	-2.02	3.1	2.8
15,230.0	85.80	179.90	12,282.0	-2,910.2	251.4	0.70	0.67	0.19	10.0	2.3
15,313.0	92.20	181.90	12,283.4	-2,993.2	250.1	8.08	7.71	2.41	10.4	0.4
15,406.0	85.50	177.90	12,285.3	-3,086.1	250.2	8.39	-7.20	-4.30	10.7	-0.2
15,500.0	91.10	179.90	12,288.1	-3,180.0	252.0	6.33	5.96	2.13	11.9	0.9
15,594.0	89.50	179.20	12,287.6	-3,274.0	252.8	1.86	-1.70	-0.74	9.8	0.9
15,687.0	90.90	180.10	12,287.3	-3,367.0	253.3	1.79	1.51	0.97	7.9	0.7
15,781.0	88.00	179.60	12,288.2	-3,461.0	253.6	3.13	-3.09	-0.53	7.2	0.2
15,875.0	86.60	178.90	12,292.6	-3,554.8	254.8	1.66	-1.49	-0.74	10.0	0.7
15,968.0	90.30	180.40	12,295.1	-3,647.8	255.4	4.29	3.98	1.61	11.0	0.5
16,063.0	89.50	180.60	12,295.3	-3,742.8	254.5	0.87	-0.84	0.21	9.5	-1.0
16,156.0	87.60	179.50	12,297.6	-3,835.7	254.5	2.36	-2.04	-1.18	10.3	-1.9
16,251.0	88.90	180.00	12,300.5	-3,930.7	254.9	1.47	1.37	0.53	11.6	-2.2
16,345.0	90.10	180.30	12,301.4	-4,024.7	254.6	1.32	1.28	0.32	10.6	-3.2
16,438.0	87.50	175.20	12,303.3	-4,117.6	258.3	6.15	-2.80	-5.48	10.4	-0.2
16,532.0	89.10	179.70	12,306.1	-4,211.4	262.5	5.08	1.70	4.79	11.1	3.2
16,625.0	88.00	181.10	12,308.4	-4,304.4	261.8	1.91	-1.18	1.51	11.3	1.8
16,719.0	88.50	182.10	12,311.3	-4,398.3	259.2	1.19	0.53	1.06	12.0	-1.6
16,813.0	89.50	182.60	12,313.0	-4,492.2	255.3	1.19	1.06	0.53	11.4	-6.1
16,906.0	88.20	182.30	12,314.8	-4,585.1	251.4	1.43	-1.40	-0.32	11.1	-10.9



EOG Resources, Inc.

PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #702H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3320.0usft (H&P 621)
Site:	Magnolia 15	MD Reference:	KB = 25' @ 3320.0usft (H&P 621)
Well:	#702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
16,950.0	89.00	182.40	12,315.9	-4,629.0	249.6	1.83	1.82	0.23	11.2	-13.0	
Last MWD Survey											
17,017.0	89.00	182.40	12,317.1	-4,696.0	246.7	0.00	0.00	0.00	12.5	-18.2	
Projection To Bit											

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
16,950.0	12,315.9	-4,629.0	249.6	Last MWD Survey	
17,017.0	12,317.1	-4,696.0	246.7	Projection To Bit	

Checked By: _____ Approved By: _____ Date: _____