



Lea County, NM (NAD 83 NME)
Funky Monks 8 Fed Com #602H
Plan #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

WELL DETAILS: #602H

KB= 25' @ 3388.0usft 3383.0
Northing 480869.00 Easting 830574.00 Latitude 32° 19' 6.625 N Longitude 103° 23' 49.356 W

SECTION DETAILS

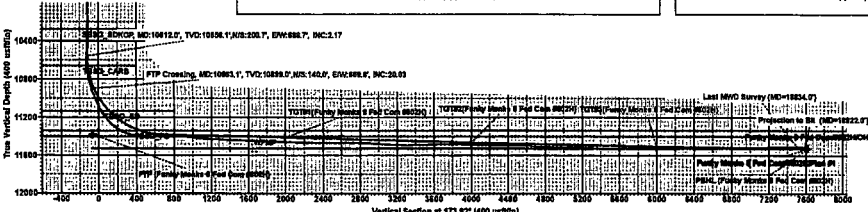
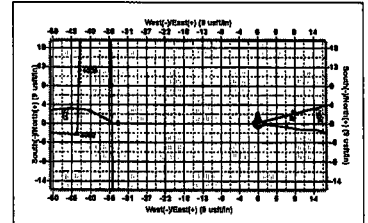
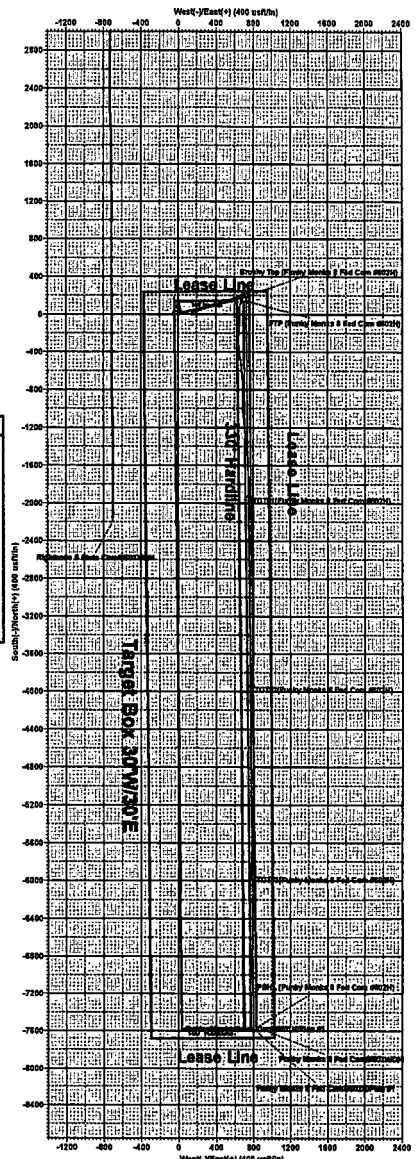
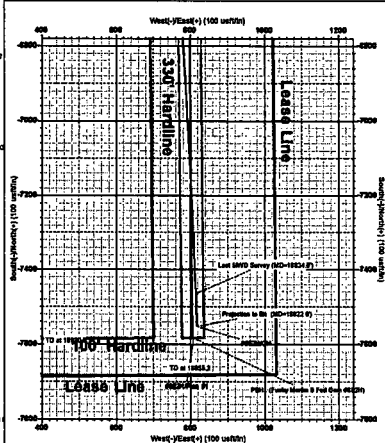
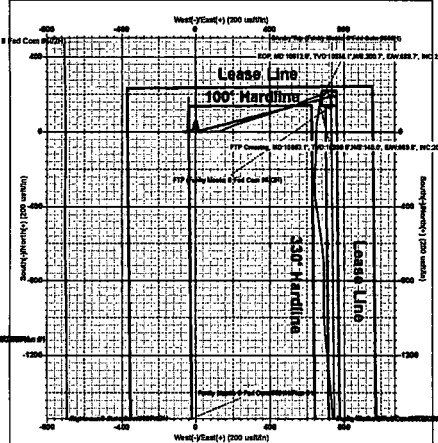
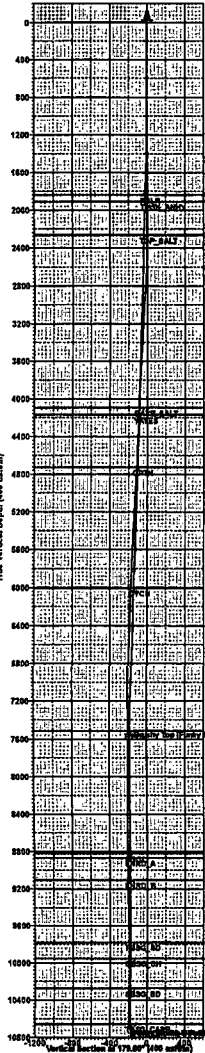
MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	Vsect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	
1562.5	7.25	75.47	1581.5	5.7	22.2	2.00	75.47	3.4	
7200.5	7.25	75.47	7154.5	184.3	710.8	0.00	0.00	-107.9	
7583.0	0.00	0.07	7519.0	180.0	733.0	2.00	180.00	-111.3	Brushy Top (Funky Monks 8 Fed Com #602H)
10612.0	0.00	0.07	10565.0	180.0	733.0	0.00	0.07	-111.3	
11880.6	88.80	179.45	11383.3	-611.3	740.7	7.00	179.45	888.4	
13200.8	88.80	179.45	11411.0	-1931.0	753.5	0.00	0.00	2000.0	TGT#1(Funky Monks 8 Fed Com #602H)
13217.6	88.46	179.45	11411.4	-1948.0	753.6	2.00	-180.00	2016.9	
15216.7	88.46	179.45	11465.0	-3940.3	772.8	0.00	0.00	4001.0	TGT#2(Funky Monks 8 Fed Com #602H)
15228.0	88.80	179.45	11465.4	-3987.5	773.0	2.00	0.00	4017.2	
17220.5	88.80	179.45	11507.0	-5949.5	792.2	0.00	0.00	6000.0	TGT#3(Funky Monks 8 Fed Com #602H)
17240.1	89.20	179.45	11507.3	-5989.2	792.4	2.00	0.00	6019.8	
18856.2	89.20	179.45	11530.0	-7884.0	808.0	0.00	0.00	7626.9	PBHL (Funky Monks 8 Fed Com #602H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top (Funky Monks 8 Fed Com #602H)	7519.0	180.0	733.0	481069.00	831307.00
TGT#1(Funky Monks 8 Fed Com #602H)	11411.0	-1931.0	753.5	478938.00	831327.46
TGT#2(Funky Monks 8 Fed Com #602H)	11465.0	-3940.3	772.8	478928.70	831348.85
TGT#3(Funky Monks 8 Fed Com #602H)	11507.0	-5949.5	792.2	474919.45	831368.23
PBHL (Funky Monks 8 Fed Com #602H)	11530.0	-7884.0	808.0	473285.00	831382.00
FTP (Funky Monks 8 Fed Com #602H)	11380.0	140.0	733.0	481009.00	831307.00



Lea County, NM (NAD 83 NME)
Funky Monks 8 Fed Com #602H
Plan #1
E.O. 12812-2
Version 4.0 (1/1/2000)

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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Funky Monks 8 Fed Com

#602H

OH

Design: OH

Midland PVA

04 October, 2018



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #602H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3368.0usft
Site:	Funky Monks 8 Fed Com	MD Reference:	KB= 25' @ 3368.0usft
Well:	#602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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	Funky Monks 8 Fed Com		
Site Position:		Northing:	480,869.00 usft
From:	Map	Easting:	830,539.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 19' 6.632 N
		Longitude:	103° 23' 49.764 W
		Grid Convergence:	0.50 °

Well	#602H		
Well Position	+N-S	0.0 usft	Northing: 480,869.00 usft
	+E-W	0.0 usft	Easting: 830,574.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation: usft
			Latitude: 32° 19' 6.629 N
			Longitude: 103° 23' 49.356 W
			Ground Level: 3,363.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	10/16/2017	6.78
			Dip Angle (°)
			60.19
			Field Strength (nT)
			47,992.19709698

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 (°)
			173.92

Survey Program	Date	10/4/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
184.0	18,822.0	Newsco MWD (OH)	MWD	OWSG MWD - Standard



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #602H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3368.0usft
Site:	Funky Monks 8 Fed Com	MD Reference:	KB= 25' @ 3368.0usft
Well:	#602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (")	Asd (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	CLeg ("/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
184.0	1.00	99.30	184.0	-0.3	1.6	0.54	0.54	0.00	-1.6	0.0
334.0	1.00	91.60	334.0	-0.5	4.2	0.09	0.00	-5.13	-4.2	-0.4
516.0	1.00	103.00	515.9	-0.9	7.3	0.11	0.00	6.26	-7.3	0.8
693.0	1.00	95.20	692.9	-1.4	10.4	0.08	0.00	-4.41	-10.4	-0.5
874.0	1.30	88.60	873.9	-1.5	14.0	0.18	0.17	-3.65	-13.9	-1.8
1,056.0	1.20	121.20	1,055.8	-2.4	17.7	0.39	-0.05	17.91	-16.4	7.1
1,237.0	1.20	97.60	1,236.8	-3.7	21.2	0.27	0.00	-13.04	-21.3	-0.9
1,417.0	1.80	89.60	1,416.7	-3.9	25.9	0.35	0.33	-4.44	-17.8	-6.1
1,507.0	2.90	83.60	1,506.7	-3.6	29.6	1.25	1.22	-6.67	-12.6	-8.2
1,601.0	4.10	85.80	1,600.6	-3.1	35.3	1.28	1.28	2.34	-7.5	-10.7
1,696.0	4.40	82.70	1,695.2	-2.4	42.3	0.40	0.32	-3.26	-2.0	-12.8
1,790.0	5.60	93.00	1,788.9	-2.2	50.4	1.59	1.28	10.96	-1.1	-15.1
1,885.0	5.00	94.60	1,883.5	-2.8	59.2	0.65	-0.63	1.68	1.1	-18.9
2,073.0	3.50	92.40	2,070.9	-3.7	73.1	0.80	-0.80	-1.17	10.6	-26.1
2,262.0	6.60	80.90	2,259.2	-2.2	89.6	1.72	1.64	-6.08	22.9	-26.9
2,451.0	8.80	92.50	2,446.5	-1.1	114.7	1.42	1.16	6.14	14.8	-35.7
2,640.0	11.70	65.10	2,632.5	6.4	146.6	2.96	1.53	-14.50	20.7	-27.4
2,829.0	10.70	67.80	2,817.9	21.1	180.2	0.60	-0.53	1.43	6.2	-24.2
3,017.0	11.20	69.10	3,002.5	34.2	213.4	0.30	0.27	0.69	-6.6	-21.3
3,206.0	10.30	69.50	3,188.2	46.6	246.4	0.48	-0.48	0.21	-18.4	-18.7
3,395.0	10.20	74.50	3,374.2	57.0	278.4	0.47	-0.05	2.65	-29.8	-15.2
3,583.0	9.40	74.90	3,559.4	65.5	309.2	0.43	-0.43	0.21	-38.3	-14.6
3,772.0	9.80	71.30	3,745.8	74.7	339.5	0.41	0.26	-1.90	-45.2	-16.2
3,961.0	9.70	75.20	3,932.0	84.0	370.3	0.37	-0.11	2.06	-54.6	-11.9
4,149.0	8.40	67.50	4,117.7	93.3	398.3	0.94	-0.69	-4.10	-58.5	-17.9
4,339.0	8.40	71.40	4,305.6	103.0	424.3	0.30	0.00	2.05	-63.5	-11.2



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #602H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3388.0usft
Site:	Funky Monks 8 Fed Com	MD Reference:	KB= 25' @ 3388.0usft
Well:	#602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Asl (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,527.0	8.30	74.00	4,481.7	111.1	450.3	0.21	-0.05	1.38	-67.5	-7.1
4,716.0	8.30	75.30	4,678.7	118.3	476.7	0.10	0.00	0.69	-71.1	-5.2
4,905.0	8.50	68.40	4,865.7	127.0	502.8	0.54	0.11	-3.65	-73.9	-12.4
5,093.0	8.60	67.30	5,051.6	137.5	528.7	0.10	0.05	-0.59	-78.1	-10.7
5,282.0	7.80	68.60	5,238.7	147.5	553.4	0.54	-0.53	0.69	-81.3	-5.8
5,471.0	7.40	69.90	5,426.1	156.2	576.5	0.14	-0.11	0.69	-82.4	-1.3
5,533.0	7.40	69.40	5,487.5	159.0	583.9	0.10	0.00	-0.81	-82.5	-1.2
5,642.0	7.60	68.60	5,595.8	164.1	597.2	0.21	0.18	-0.73	-83.1	-0.8
5,831.0	6.70	67.60	5,783.1	172.9	619.1	0.48	-0.48	-0.53	-83.0	0.8
6,020.0	5.80	68.40	5,971.0	180.4	638.2	0.49	-0.48	0.95	-78.7	6.2
6,210.0	5.60	68.80	6,160.1	187.2	655.8	0.11	-0.11	-0.32	-74.8	8.1
6,399.0	5.40	66.20	6,348.2	194.1	672.6	0.17	-0.11	-1.38	-69.6	8.1
6,588.0	5.30	65.80	6,536.4	201.3	688.7	0.06	-0.05	-0.21	-63.8	11.6
6,777.0	5.40	64.70	6,724.6	208.6	704.7	0.08	0.05	-0.58	-58.1	14.6
6,966.0	4.10	80.20	6,912.9	213.6	719.4	0.96	-0.69	8.20	-43.6	30.0
7,155.0	4.10	100.70	7,101.4	213.5	732.7	0.77	0.00	10.85	-21.9	35.5
7,344.0	3.00	109.60	7,290.1	210.6	744.0	0.65	-0.58	4.71	-10.8	28.0
7,532.0	1.20	100.30	7,477.9	208.6	750.5	0.97	-0.96	-4.95	-14.2	21.5
7,721.0	0.90	64.00	7,666.9	208.9	753.8	0.38	-0.16	-19.21	-27.0	7.8
7,910.0	0.80	11.60	7,855.9	210.8	755.4	0.40	-0.05	-27.72	-24.9	-17.8
8,099.0	0.90	355.10	8,044.9	213.6	755.5	0.14	0.05	-8.73	-21.6	-24.5
8,288.0	1.20	341.10	8,233.8	216.9	754.8	0.21	0.16	-7.41	-18.4	-29.3
8,476.0	1.30	295.30	8,421.8	219.7	752.2	0.52	0.05	-24.36	4.7	-35.1
8,665.0	2.10	262.50	8,610.7	220.2	748.8	0.65	0.42	-17.35	17.7	-28.1
8,853.0	1.40	240.40	8,788.8	218.6	741.4	0.51	-0.37	-11.76	21.5	-20.7
9,042.0	1.40	280.40	8,987.8	217.9	737.2	0.51	0.00	21.16	-0.9	-28.2
9,232.0	2.70	242.90	9,177.5	216.3	730.9	0.95	0.68	-19.74	10.1	-24.3



Midland PVA

Company:	EKG Resources - Midland	Local Co-ordinate Reference:	Well #602H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3388.0usft
Site:	Funky Monks 8 Fed Com	MD Reference:	KB= 25' @ 3388.0usft
Well:	#602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey

MD (usft)	Inc (")	Ad (azimuth) (")	TVD (usft)	N/S (usft)	E/W (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)
9,420.0	3.50	245.70	9,365.2	211.9	721.7	0.43	0.43	1.49	-1.3	-24.6
9,609.0	3.80	245.20	9,553.8	206.9	710.8	0.16	0.16	-0.26	-13.1	-24.7
9,799.0	2.10	223.50	9,743.5	201.7	702.7	1.06	-0.89	-11.42	-12.4	-30.1
9,988.0	2.00	222.70	9,932.4	196.8	698.0	0.06	-0.05	-0.42	-18.7	-30.3
10,082.0	2.00	226.70	10,026.4	194.4	695.7	0.15	0.00	4.26	-24.1	-28.8
10,176.0	0.90	183.20	10,120.3	192.6	694.5	1.58	-1.17	-46.28	0.4	-38.6
10,270.0	0.20	239.40	10,214.3	191.8	694.3	0.86	-0.74	59.79	-32.4	-21.2
10,365.0	2.20	335.10	10,309.3	193.3	693.4	2.35	2.11	100.74	-19.7	34.5
10,460.0	2.60	335.20	10,404.2	196.9	691.7	0.42	0.42	0.11	-23.6	34.6
10,553.0	1.60	329.70	10,497.2	200.0	690.2	1.10	-1.08	-5.91	-30.2	31.9
10,612.0	2.17	271.04	10,556.1	200.7	688.7	3.24	0.86	-99.42	-44.5	-9.9
KOP, MD:10612.0, TVD:10556.1, N/S:200.7, E/W:688.7, INC:2.17										
10,679.0	4.00	248.20	10,623.0	199.9	685.2	3.24	2.73	-34.09	-39.9	-28.8
10,726.0	7.25	209.71	10,669.8	196.7	682.2	10.23	6.91	-91.89	-13.4	-50.8
10,773.0	10.11	201.97	10,716.3	190.3	679.2	6.56	6.09	-16.47	-8.7	-55.3
10,820.0	13.10	197.58	10,762.3	181.4	676.1	6.63	6.36	-9.34	-2.4	-59.1
10,868.0	15.98	188.79	10,808.8	169.6	673.4	7.54	6.00	-18.31	7.1	-61.6
10,915.0	18.57	186.24	10,853.7	155.8	671.6	5.74	5.51	-5.43	10.8	-63.3
10,962.0	20.02	187.03	10,898.0	140.4	669.8	3.13	3.09	1.68	11.9	-65.7
10,963.1	20.03	187.04	10,899.0	140.0	669.8	0.88	0.79	1.15	12.0	-65.7
FTP Crossing, MD:10963.1, TVD:10899.0, N/S:140.0, E/W:669.8, INC:20.03										
11,009.0	20.39	187.56	10,942.1	124.3	667.7	0.88	0.79	1.13	15.0	-68.5
11,057.0	21.65	186.85	10,986.9	107.2	665.6	2.68	2.62	-1.48	21.6	-71.4
11,105.0	24.15	189.76	11,031.1	88.7	662.9	5.72	5.21	6.06	25.2	-76.3
11,153.0	24.46	190.72	11,074.9	69.3	659.4	1.05	0.65	2.00	31.9	-82.0
11,184.0	27.65	188.44	11,102.7	55.9	657.1	10.78	10.29	-7.35	41.0	-83.8
11,215.0	30.74	185.54	11,129.8	40.9	655.3	10.96	9.97	-9.35	50.2	-84.2



Midland PVA

Company:	Eog Resources - Midland	Local Co-ordinate Reference:	Well #802H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3388.0usft
Site:	Funky Monks 8 Fed Com	MD Reference:	KB= 25' @ 3388.0usft
Well:	#802H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Asd (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLog (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
11,246.0	33.58	183.87	11,166.0	24.4	653.9	9.60	9.16	-5.39	57.2	-84.7
11,278.0	36.30	183.51	11,182.3	6.1	652.8	8.52	8.50	-1.12	62.4	-85.8
11,309.0	38.85	181.85	11,206.8	-12.8	651.9	8.85	8.23	-5.35	68.5	-85.5
11,341.0	41.56	180.97	11,231.3	-33.4	651.4	8.65	8.47	-2.75	73.5	-85.4
11,372.0	44.90	180.88	11,253.9	-54.6	651.0	10.78	10.77	-0.29	77.0	-85.8
11,404.0	48.35	180.35	11,275.8	-77.9	650.8	10.85	10.78	-1.66	80.2	-85.7
11,435.0	52.59	178.86	11,295.6	-101.8	651.0	14.17	13.68	-4.81	83.1	-84.4
11,467.0	54.85	182.99	11,314.5	-127.6	650.5	12.57	7.06	12.91	80.4	-88.4
11,530.0	62.08	183.69	11,347.4	-181.1	647.4	11.52	11.48	1.11	80.0	-92.0
11,580.0	70.01	183.34	11,367.7	-226.7	644.6	15.87	15.86	-0.70	76.9	-94.7
11,624.0	76.01	180.35	11,380.6	-268.7	643.3	15.10	13.64	-6.80	72.1	-95.0
11,656.0	80.06	178.42	11,387.2	-300.0	643.6	13.96	12.66	-6.03	66.7	-94.5
11,721.0	88.93	172.62	11,393.4	-364.4	648.7	16.28	13.65	-8.92	50.8	-89.9
11,815.0	90.52	171.83	11,393.9	-457.6	661.4	1.89	1.69	-0.84	27.8	-77.9
11,909.0	90.49	172.18	11,393.1	-550.7	674.5	0.37	-0.03	0.37	13.2	-65.7
12,004.0	89.75	172.88	11,392.9	-644.8	686.8	1.07	-0.78	0.74	8.9	-54.2
12,089.0	87.40	178.95	11,395.2	-739.5	693.6	6.85	-2.47	6.39	9.2	-48.4
12,193.0	83.46	181.23	11,402.7	-833.2	693.4	4.84	-4.19	2.43	14.5	-49.5
12,287.0	84.01	179.91	11,413.0	-926.6	692.5	1.51	0.59	-1.40	22.9	-51.3
12,382.0	85.24	177.10	11,421.9	-1,021.2	695.0	3.22	1.29	-2.96	30.1	-49.6
12,476.0	87.15	174.20	11,428.1	-1,114.7	702.1	3.69	2.03	-3.09	34.5	-43.3
12,570.0	86.98	174.11	11,432.9	-1,208.1	711.7	0.20	-0.18	-0.10	37.3	-34.6
12,665.0	87.15	174.81	11,437.8	-1,302.5	720.8	0.76	0.18	0.74	40.1	-26.4
12,759.0	87.37	175.34	11,442.3	-1,386.0	728.9	0.61	0.23	0.56	42.5	-19.3
12,853.0	87.81	174.90	11,446.2	-1,489.6	736.9	0.66	0.47	-0.47	44.5	-12.2
12,948.0	88.21	175.08	11,449.5	-1,584.2	745.2	0.46	0.42	0.19	45.8	-4.9
13,043.0	88.23	175.96	11,452.5	-1,678.9	752.6	0.93	0.02	0.93	46.8	1.6



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #602H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3388.0usft
Site:	Funky Monks 8 Fed Com	MD Reference:	KB= 25' @ 3388.0usft
Well:	#602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	WS (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
13,137.0	87.79	176.13	11,455.7	-1,772.6	759.1	0.50	-0.47	0.18	48.0	7.2
13,232.0	88.52	178.42	11,458.8	-1,867.4	763.6	2.53	0.77	2.41	49.1	10.7
13,326.0	88.52	178.33	11,461.2	-1,961.4	766.2	0.10	0.00	-0.10	49.4	12.5
13,421.0	88.82	178.59	11,463.4	-2,056.3	768.8	0.42	0.32	0.27	49.1	14.1
13,515.0	88.71	178.51	11,465.5	-2,150.2	771.2	0.14	-0.12	-0.09	48.6	15.6
13,610.0	89.48	179.47	11,467.0	-2,245.2	772.8	1.30	0.81	1.01	47.5	16.3
13,704.0	89.79	180.44	11,467.6	-2,339.2	772.9	1.08	0.33	1.03	45.6	15.5
13,798.0	89.79	180.35	11,467.9	-2,433.2	772.3	0.10	0.00	-0.10	43.4	13.9
13,893.0	90.38	180.26	11,467.8	-2,528.2	771.8	0.63	0.62	-0.09	40.7	12.5
13,987.0	90.10	180.70	11,467.4	-2,622.2	771.0	0.55	-0.30	0.47	37.8	10.8
14,082.0	87.53	180.00	11,469.3	-2,717.2	770.4	2.80	-2.71	-0.74	37.2	9.3
14,176.0	86.74	179.82	11,474.0	-2,811.0	770.5	0.86	-0.84	-0.19	39.4	8.6
14,271.0	86.34	180.44	11,479.8	-2,905.9	770.3	0.78	-0.42	0.65	42.6	7.4
14,365.0	86.08	180.44	11,486.0	-2,999.7	769.6	0.28	-0.28	0.00	46.3	5.8
14,459.0	88.19	179.30	11,490.7	-3,093.5	769.8	2.55	2.24	-1.21	48.4	5.1
14,554.0	89.46	178.68	11,492.6	-3,188.5	771.5	1.49	1.34	-0.65	47.8	5.9
14,649.0	90.01	178.95	11,493.1	-3,283.5	773.5	0.64	0.58	0.28	45.7	7.0
14,743.0	91.59	178.51	11,491.8	-3,377.4	775.5	1.74	1.68	-0.47	41.9	8.1
14,837.0	91.90	178.33	11,488.9	-3,471.4	778.1	0.38	0.33	-0.19	36.5	9.8
14,932.0	90.80	179.12	11,486.7	-3,566.3	780.2	1.43	-1.16	0.83	31.7	11.0
15,026.0	91.07	178.95	11,485.1	-3,660.3	781.8	0.34	0.29	-0.18	27.6	11.7
15,121.0	89.84	179.38	11,484.4	-3,755.3	783.2	1.37	-1.29	0.45	24.3	12.1
15,215.0	88.45	179.82	11,485.8	-3,849.3	783.9	1.55	-1.48	0.47	23.2	11.9
15,310.0	88.96	179.74	11,487.9	-3,944.2	784.2	0.54	0.54	-0.08	22.8	11.3
15,404.0	87.75	179.30	11,490.6	-4,038.2	785.0	1.37	-1.29	-0.47	23.5	11.2
15,499.0	88.36	178.86	11,493.8	-4,133.1	786.5	0.79	0.64	-0.46	24.7	11.8
15,593.0	90.82	179.21	11,494.5	-4,227.1	788.1	2.64	2.62	0.37	23.5	12.5



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #602H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3388.0usft
Site:	Funky Monks 8 Fed Com	MD Reference:	KB= 25' @ 3388.0usft
Well:	#602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
15,688.0	90.58	180.00	11,493.3	-4,322.1	788.8	0.87	-0.25	0.83	20.3	12.2	
15,782.0	87.75	180.09	11,494.7	-4,416.1	788.7	3.01	-3.01	0.10	19.7	11.3	
15,877.0	86.91	179.74	11,499.1	-4,511.0	788.8	0.96	-0.88	-0.37	22.2	10.5	
15,971.0	86.41	179.74	11,504.6	-4,604.8	789.3	0.53	-0.53	0.00	25.7	10.0	
16,065.0	88.63	180.09	11,508.7	-4,698.7	789.4	2.39	2.36	0.37	27.8	9.2	
16,160.0	89.29	179.39	11,510.4	-4,793.7	789.8	1.01	0.69	-0.74	27.5	8.8	
16,254.0	88.11	179.12	11,511.7	-4,887.7	791.1	0.35	-0.19	-0.29	26.9	9.1	
16,349.0	91.09	178.59	11,511.6	-4,982.7	793.0	2.16	2.08	-0.56	24.7	10.1	
16,444.0	91.53	178.95	11,509.4	-5,077.6	795.0	0.60	0.46	0.38	20.6	11.2	
16,538.0	91.86	178.95	11,506.6	-5,171.5	796.7	0.35	0.35	0.00	15.8	12.0	
16,632.0	91.31	179.12	11,504.0	-5,265.5	798.3	0.61	-0.59	0.18	11.3	12.7	
16,727.0	90.21	179.56	11,502.7	-5,360.5	799.4	1.25	-1.16	0.46	8.0	12.8	
16,822.0	90.19	180.88	11,502.4	-5,455.5	799.0	1.39	-0.02	1.39	5.7	11.6	
16,916.0	89.11	182.64	11,503.0	-5,549.4	796.1	2.20	-1.15	1.87	4.4	7.8	
17,010.0	88.21	182.81	11,505.2	-5,643.3	791.7	0.97	-0.96	0.18	4.6	2.4	
17,105.0	87.92	182.72	11,508.4	-5,738.1	787.1	0.32	-0.31	-0.09	5.8	-3.1	
17,199.0	88.38	182.64	11,511.4	-5,832.0	782.7	0.50	0.49	-0.09	6.9	-8.4	
17,294.0	88.36	182.02	11,514.1	-5,926.9	778.8	0.65	-0.02	-0.65	7.6	-13.2	
17,389.0	88.27	181.41	11,516.9	-6,021.8	776.0	0.65	-0.09	-0.64	8.8	-16.9	
17,483.0	87.55	180.97	11,520.4	-6,115.7	774.1	0.90	-0.77	-0.47	10.9	-19.8	
17,577.0	88.14	180.97	11,523.9	-6,209.6	772.5	0.63	0.63	0.00	13.2	-22.3	
17,672.0	87.51	181.23	11,527.5	-6,304.5	770.6	0.72	-0.66	0.27	15.4	-25.0	
17,766.0	87.99	180.70	11,531.2	-6,398.4	769.1	0.76	0.51	-0.56	17.8	-27.5	
17,860.0	89.75	179.30	11,533.0	-6,492.4	769.1	2.39	1.87	-1.49	18.4	-28.4	
17,955.0	91.15	177.54	11,532.3	-6,587.4	771.7	2.37	1.47	-1.85	16.3	-26.7	
18,049.0	91.70	176.84	11,530.0	-6,681.2	776.3	0.95	0.59	-0.74	12.6	-23.0	
18,144.0	91.55	176.92	11,527.3	-6,776.0	781.5	0.18	-0.16	0.08	8.6	-18.8	



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #602H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB= 25' @ 3388.0usft
Site:	Funky Monks 8 Fed Com	MD Reference:	KB= 25' @ 3388.0usft
Well:	#602H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
18,239.0	91.46	176.84	11,524.8	-6,870.9	786.6	0.13	-0.09	-0.08	4.8	-14.5
18,333.0	91.77	176.92	11,522.1	-6,964.7	791.7	0.34	0.33	0.09	0.8	-10.3
18,427.0	91.73	176.31	11,519.2	-7,058.5	797.3	0.65	-0.04	-0.65	-3.4	-5.6
18,522.0	90.85	177.45	11,517.1	-7,153.3	802.5	1.52	-0.93	1.20	-6.8	-1.4
18,616.0	91.20	177.45	11,515.4	-7,247.2	806.6	0.37	0.37	0.00	-9.8	1.9
18,711.0	91.09	177.45	11,513.5	-7,342.1	810.9	0.12	-0.12	0.00	-13.1	5.2
18,805.0	89.48	177.72	11,513.1	-7,436.0	814.8	1.74	-1.71	0.29	-14.9	8.2
18,834.0	88.60	178.24	11,513.5	-7,465.0	815.8	3.52	-3.03	1.79	-14.8	9.0
Last MWD Survey (MD=18834.0')										
18,922.0	87.80	178.24	11,516.3	-7,552.9	818.5	0.91	-0.91	0.00	-13.3	10.8
Projection to Bit (MD=18922.0')										

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
10,612.0	10,556.1	200.7	688.7	KOP, MD:10612.0', TVD:10556.1', N/S:200.7', E/W:688.7', INC:2.17
10,963.1	10,899.0	140.0	669.8	FTP Crossing, MD:10963.1', TVD:10899.0', N/S:140.0', E/W:669.8', INC:20.03
18,834.0	11,513.5	-7,465.0	815.8	Last MWD Survey (MD=18834.0')
18,922.0	11,516.3	-7,552.9	818.5	Projection to Bit (MD=18922.0')

Checked By: _____ Approved By: _____ Date: _____