



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Streetcar 15 Fed

WC #604H

OH

Design: OH

Midland PVA

27 July, 2018





Midland PVA



Company:	EOG Resources - Midland			Local Co-ordinate Reference:	Well WC #604H
Project:	Lea County, NM (NAD 83 NME)			TVD Reference:	KB = 25' @ 3387.0usft
Site:	Streetcar 15 Fed			MD Reference:	KB = 25' @ 3387.0usft
	WC #604H			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	Streetcar 15 Fed				
Site Position:		Northing:	409,714.00 usft	Latitude:	32° 7' 26.337 N
From:	Map	Easting:	782,680.00 usft	Longitude:	103° 33' 13.460 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 "

Well	WC #604H					
Well Position	+N-S	0.0 usft	Northing:	410,180.00 usft	Latitude:	32° 7' 31.109 N
	+E-W	0.0 usft	Easting:	780,430.00 usft	Longitude:	103° 33' 39.584 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level:	3,362.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/29/2017	6.91	59.97	47,851.73984080

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)	Direction (°)	
	0.0	0.0	0.0	350.20	

Survey Program	Date 7/27/2018				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
125.0	17,388.0	Gyrodatta Survey (OH)	NSG-CT_WL	Continuous north-seeking gyro on wireline	



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #804H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #804H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey											
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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
125.0	0.37	243.27	125.0	-0.2	-0.4	0.30	0.30	0.00	-0.1	-0.1	
150.0	0.45	239.27	150.0	-0.3	-0.5	0.34	0.32	-16.00	-0.2	-0.2	
175.0	0.49	238.81	175.0	-0.4	-0.7	0.16	0.16	-1.84	-0.2	-0.3	
200.0	0.66	238.85	200.0	-0.5	-0.9	0.68	0.68	0.16	-0.3	-0.3	
225.0	0.66	236.38	225.0	-0.7	-1.2	0.11	0.00	-9.98	-0.4	-0.4	
250.0	0.73	239.12	250.0	-0.8	-1.4	0.31	0.28	11.04	-0.5	-0.4	
275.0	0.78	237.94	275.0	-1.0	-1.7	0.21	0.20	-4.72	-0.5	-0.4	
300.0	0.83	238.60	300.0	-1.2	-2.0	0.20	0.20	2.64	-0.6	-0.4	
325.0	0.85	238.19	325.0	-1.4	-2.3	0.08	0.08	-1.64	-0.6	-0.4	
350.0	0.86	238.12	350.0	-1.6	-2.6	0.04	0.04	-0.28	-0.6	-0.4	
375.0	0.87	237.54	375.0	-1.8	-2.9	0.05	0.04	-2.32	-0.5	-0.3	
400.0	0.87	238.24	400.0	-2.0	-3.3	0.04	0.00	2.80	-0.5	-0.3	
425.0	0.91	239.92	425.0	-2.2	-3.6	0.19	0.16	6.72	-0.3	-0.2	
450.0	0.96	242.10	450.0	-2.4	-3.9	0.25	0.20	8.72	-0.1	-0.1	
475.0	1.00	243.99	475.0	-2.6	-4.3	0.21	0.16	7.56	0.1	0.0	
500.0	1.12	248.36	500.0	-2.7	-4.8	0.58	0.48	17.48	0.3	0.0	
525.0	1.22	251.85	525.0	-2.9	-5.2	0.49	0.40	13.96	0.6	0.0	
550.0	1.32	255.35	550.0	-3.1	-5.8	0.51	0.40	14.00	0.8	-0.1	
575.0	1.38	256.93	574.9	-3.2	-6.3	0.28	0.24	6.32	0.9	-0.1	
600.0	1.50	261.03	599.9	-3.3	-7.0	0.63	0.48	16.40	1.1	-0.2	
625.0	1.57	262.63	624.9	-3.4	-7.6	0.33	0.28	6.40	1.2	-0.2	
650.0	1.64	265.32	649.9	-3.5	-8.3	0.41	0.28	10.76	1.3	-0.2	
675.0	1.70	266.22	674.9	-3.6	-9.0	0.26	0.24	3.60	1.3	-0.2	
700.0	1.72	266.67	699.9	-3.6	-9.8	0.10	0.08	1.80	1.4	-0.2	
725.0	1.76	267.26	724.9	-3.6	-10.5	0.18	0.16	2.36	1.5	-0.1	
750.0	1.80	267.70	749.9	-3.7	-11.3	0.17	0.16	1.76	1.7	0.0	



Midland PVA



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Site: Streetcar 15 Fed
Well: WC #804H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey											
MD (usft)	Inc (")	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
775.0	1.91	269.98	774.9	-3.7	-12.1	0.53	0.44	9.12	1.8	0.0	
800.0	2.04	270.37	799.8	-3.7	-13.0	0.52	0.52	1.56	1.9	0.0	
825.0	2.11	270.39	824.8	-3.7	-13.9	0.28	0.28	0.08	2.0	0.1	
850.0	2.15	270.27	849.8	-3.7	-14.8	0.16	0.16	-0.48	2.1	0.2	
875.0	2.20	270.36	874.8	-3.7	-15.8	0.20	0.20	0.36	2.2	0.3	
900.0	2.22	270.55	899.8	-3.7	-16.7	0.09	0.08	0.76	2.3	0.4	
925.0	2.24	270.52	924.8	-3.7	-17.7	0.08	0.08	-0.12	2.4	0.5	
950.0	2.26	269.96	949.7	-3.7	-18.7	0.12	0.08	-2.24	2.5	0.5	
975.0	2.27	269.12	974.7	-3.7	-19.7	0.14	0.04	-3.36	2.5	0.5	
1,000.0	2.22	265.91	999.7	-3.7	-20.7	0.54	-0.20	-12.84	2.5	0.5	
1,025.0	2.17	262.06	1,024.7	-3.8	-21.6	0.62	-0.20	-15.40	2.5	0.6	
1,050.0	2.14	259.54	1,049.7	-4.0	-22.5	0.40	-0.12	-10.08	2.6	0.7	
1,075.0	2.06	254.01	1,074.6	-4.2	-23.4	0.87	-0.32	-22.12	2.6	0.9	
1,100.0	2.00	249.89	1,099.6	-4.4	-24.3	0.63	-0.24	-16.48	2.6	1.1	
1,125.0	1.95	246.32	1,124.6	-4.8	-25.1	0.53	-0.20	-14.28	2.7	1.4	
1,150.0	1.94	244.97	1,149.6	-5.1	-25.8	0.19	-0.04	-5.40	2.8	1.6	
1,175.0	1.98	241.57	1,174.6	-5.5	-26.6	0.49	0.16	-13.60	2.8	2.0	
1,200.0	1.97	241.74	1,199.6	-5.9	-27.4	0.05	-0.04	0.68	2.9	2.2	
1,225.0	2.00	240.42	1,224.6	-6.3	-28.1	0.22	0.12	-5.28	3.0	2.5	
1,250.0	2.02	240.57	1,249.5	-6.7	-28.9	0.08	0.08	0.60	3.1	2.7	
1,275.0	2.03	240.34	1,274.5	-7.2	-29.6	0.05	0.04	-0.92	3.2	2.9	
1,300.0	2.10	239.38	1,299.5	-7.6	-30.4	0.31	0.28	-3.84	3.2	3.2	
1,325.0	2.14	239.44	1,324.5	-8.1	-31.2	0.16	0.16	0.24	3.2	3.5	
1,350.0	2.22	239.10	1,349.5	-8.6	-32.0	0.32	0.32	-1.36	3.2	3.8	
1,375.0	2.25	238.76	1,374.5	-9.1	-32.9	0.13	0.12	-1.36	3.2	4.1	
1,400.0	2.31	238.46	1,399.4	-9.6	-33.7	0.24	0.24	-1.20	3.2	4.3	
1,425.0	2.65	237.39	1,424.4	-10.2	-34.6	1.37	1.36	-4.28	3.0	4.7	



Midland PVA



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Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well WC #604H
KB = 25' @ 3387.0usft
KB = 25' @ 3387.0usft
Grid
Minimum Curvature
EDM 5000.14

Survey											
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)	
1,450.0	3.30	236.19	1,449.4	-10.9	-35.7	2.61	2.60	-4.80	2.5	5.0	
1,475.0	4.04	236.76	1,474.3	-11.8	-37.1	2.96	2.96	2.28	1.9	5.3	
1,500.0	4.19	237.14	1,499.3	-12.8	-38.6	0.61	0.60	1.52	1.1	5.6	
1,525.0	4.30	238.09	1,524.2	-13.8	-40.1	0.52	0.44	3.80	0.3	5.9	
1,550.0	4.34	237.67	1,549.1	-14.8	-41.7	0.20	0.16	-1.68	-0.6	6.2	
1,575.0	4.35	237.75	1,574.0	-15.8	-43.3	0.05	0.04	0.32	-1.6	6.5	
1,600.0	4.35	237.64	1,599.0	-16.8	-44.9	0.03	0.00	-0.44	-2.5	6.7	
1,625.0	4.36	237.63	1,623.9	-17.8	-46.5	0.04	0.04	-0.04	-3.5	7.0	
1,650.0	4.34	237.96	1,648.8	-18.8	-48.1	0.13	-0.08	1.32	-4.3	7.3	
1,675.0	4.38	237.73	1,673.8	-19.8	-49.7	0.17	0.16	-0.92	-5.3	7.6	
1,700.0	4.51	236.75	1,698.7	-20.9	-51.4	0.60	0.52	-3.92	-6.4	7.8	
1,725.0	4.96	232.84	1,723.6	-22.1	-53.1	2.21	1.80	-15.64	-8.1	7.6	
1,750.0	5.61	228.12	1,748.5	-23.5	-54.8	3.13	2.60	-18.88	-10.1	7.3	
1,775.0	5.92	226.18	1,773.4	-25.2	-56.7	1.46	1.24	-7.76	-11.9	7.4	
1,800.0	6.01	225.93	1,798.2	-27.0	-58.5	0.37	0.36	-1.00	-13.7	7.8	
1,825.0	6.04	225.87	1,823.1	-28.9	-60.4	0.12	0.12	-0.24	-15.4	8.3	
1,850.0	6.07	225.85	1,848.0	-30.7	-62.3	0.12	0.12	-0.08	-17.2	8.7	
1,875.0	6.07	226.08	1,872.8	-32.5	-64.2	0.10	0.00	0.92	-18.9	9.3	
1,900.0	6.10	226.11	1,897.7	-34.4	-66.1	0.12	0.12	0.12	-20.7	9.8	
1,925.0	6.11	226.52	1,922.5	-36.2	-68.0	0.18	0.04	1.64	-22.4	10.4	
1,950.0	6.13	226.63	1,947.4	-38.0	-70.0	0.09	0.08	0.44	-24.1	10.9	
1,975.0	6.12	227.46	1,972.2	-39.9	-71.9	0.36	-0.04	3.32	-25.8	11.7	
2,000.0	6.13	228.22	1,997.1	-41.7	-73.9	0.33	0.04	3.04	-27.4	12.5	
2,025.0	6.15	228.37	2,022.0	-43.4	-75.9	0.10	0.08	0.60	-29.0	13.0	
2,050.0	6.18	228.73	2,046.8	-45.2	-77.9	0.20	0.12	1.44	-30.4	13.6	
2,075.0	6.18	229.05	2,071.7	-47.0	-79.9	0.14	0.00	1.28	-31.6	14.0	
2,100.0	6.16	230.42	2,096.5	-48.7	-82.0	0.59	-0.08	5.48	-32.3	15.0	



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #804H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #804H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
2,125.0	6.18	230.81	2,121.4	-50.4	-84.1	0.19	0.08	1.56	-33.0	15.4	
2,150.0	6.17	231.31	2,146.2	-52.1	-86.2	0.22	-0.04	2.00	-33.5	15.8	
2,175.0	6.14	231.68	2,171.1	-53.8	-88.3	0.20	-0.12	1.48	-33.8	16.0	
2,200.0	6.14	232.05	2,195.9	-55.4	-90.4	0.16	0.00	1.48	-33.9	16.1	
2,225.0	6.16	232.01	2,220.8	-57.1	-92.5	0.08	0.08	-0.16	-33.9	16.0	
2,250.0	6.18	231.94	2,245.7	-58.7	-94.6	0.09	0.08	-0.28	-33.7	15.7	
2,275.0	6.27	231.47	2,270.5	-60.4	-96.7	0.41	0.36	-1.88	-33.4	15.2	
2,300.0	6.69	229.30	2,295.3	-62.2	-98.9	1.94	1.68	-8.68	-33.4	13.7	
2,325.0	7.28	226.70	2,320.2	-64.2	-101.2	2.68	2.36	-10.40	-33.4	12.1	
2,350.0	7.44	226.43	2,345.0	-66.5	-103.5	0.65	0.64	-1.08	-32.9	11.8	
2,375.0	7.51	226.10	2,369.7	-68.7	-105.8	0.33	0.28	-1.32	-32.2	11.5	
2,400.0	7.55	228.24	2,394.5	-71.0	-108.2	0.18	0.16	0.56	-31.3	11.5	
2,425.0	7.55	226.33	2,419.3	-73.2	-110.6	0.05	0.00	0.36	-30.1	11.3	
2,450.0	7.31	227.00	2,444.1	-75.5	-112.9	1.02	-0.96	2.68	-28.8	11.5	
2,475.0	7.31	227.33	2,468.9	-77.6	-115.2	0.17	0.00	1.32	-27.5	11.4	
2,500.0	7.30	227.43	2,493.7	-79.8	-117.6	0.06	-0.04	0.40	-26.3	11.1	
2,525.0	7.32	227.22	2,518.5	-81.9	-119.9	0.13	0.08	-0.84	-25.1	10.8	
2,550.0	7.40	227.25	2,543.3	-84.1	-122.3	0.32	0.32	0.12	-23.9	10.5	
2,575.0	8.13	226.86	2,568.1	-86.4	-124.7	2.93	2.92	-1.56	-22.9	10.1	
2,600.0	8.98	226.74	2,592.8	-89.0	-127.5	3.40	3.40	-0.48	-22.3	9.8	
2,625.0	9.53	227.02	2,617.5	-91.7	-130.4	2.21	2.20	1.12	-21.9	9.7	
2,650.0	9.61	227.11	2,642.1	-94.5	-133.4	0.33	0.32	0.36	-21.6	9.5	
2,675.0	9.65	226.99	2,666.8	-97.4	-136.5	0.18	0.16	-0.48	-21.4	9.2	
2,700.0	9.60	227.14	2,691.4	-100.2	-139.6	0.22	-0.20	0.60	-21.2	9.0	
2,725.0	9.54	227.24	2,716.1	-103.1	-142.6	0.25	-0.24	0.40	-20.9	8.8	
2,750.0	9.45	227.38	2,740.7	-105.8	-145.6	0.37	-0.36	0.56	-20.6	8.6	
2,775.0	9.46	227.38	2,765.4	-108.6	-148.7	0.04	0.04	0.00	-20.4	8.3	



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2,800.0	9.33	227.49	2,790.0	-111.4	-151.7	0.52	-0.52	0.44	-20.0		8.1
2,825.0	9.30	227.52	2,814.7	-114.1	-154.7	0.12	-0.12	0.12	-19.7		7.8
2,850.0	9.20	227.64	2,839.4	-116.8	-157.6	0.41	-0.40	0.48	-19.3		7.6
2,875.0	9.18	227.63	2,864.1	-119.5	-160.6	0.08	-0.08	-0.04	-18.9		7.3
2,900.0	9.19	227.43	2,888.7	-122.2	-163.5	0.13	0.04	-0.80	-18.5		6.9
2,925.0	9.25	227.07	2,913.4	-124.9	-166.5	0.33	0.24	-1.44	-18.2		6.5
2,950.0	9.55	225.25	2,938.1	-127.8	-169.4	1.69	1.20	-7.28	-18.0		5.8
2,975.0	9.96	222.64	2,962.7	-130.8	-172.3	2.41	1.64	-10.44	-18.1		5.0
3,000.0	10.11	222.38	2,987.3	-134.0	-175.3	0.63	0.60	-1.04	-18.1		5.0
3,025.0	10.13	222.13	3,011.9	-137.3	-178.2	0.19	0.08	-1.00	-18.1		5.0
3,050.0	10.10	221.88	3,036.6	-140.5	-181.2	0.21	-0.12	-1.00	-18.1		5.1
3,075.0	10.05	221.75	3,061.2	-143.8	-184.1	0.22	-0.20	-0.52	-18.1		5.2
3,100.0	9.89	221.38	3,085.8	-147.0	-187.0	0.69	-0.64	-1.48	-18.1		5.3
3,125.0	9.80	221.36	3,110.4	-150.2	-189.8	0.36	-0.36	-0.08	-18.0		5.5
3,150.0	9.50	221.02	3,135.1	-153.4	-192.5	1.22	-1.20	-1.36	-17.8		5.6
3,175.0	9.33	220.80	3,159.7	-156.5	-195.2	0.70	-0.68	-0.88	-17.5		5.7
3,200.0	9.13	220.05	3,184.4	-159.5	-197.8	0.93	-0.80	-3.00	-17.2		5.8
3,225.0	9.13	219.65	3,209.1	-162.6	-200.4	0.25	0.00	-1.60	-16.8		6.0
3,250.0	9.18	219.17	3,233.8	-165.7	-202.9	0.37	0.20	-1.92	-16.4		6.2
3,275.0	9.52	218.73	3,258.4	-168.8	-205.4	1.39	1.36	-1.76	-16.2		6.4
3,300.0	9.88	218.24	3,283.1	-172.1	-208.1	1.48	1.44	-1.96	-16.1		6.7
3,325.0	10.08	218.04	3,307.7	-175.5	-210.7	0.81	0.80	-0.80	-16.0		7.1
3,350.0	10.14	217.92	3,332.3	-179.0	-213.4	0.25	0.24	-0.48	-16.1		7.5
3,375.0	10.17	217.93	3,356.9	-182.5	-216.1	0.12	0.12	0.04	-16.1		7.9
3,400.0	10.05	217.69	3,381.5	-185.9	-218.8	0.51	-0.48	-0.96	-16.1		8.3
3,425.0	9.93	217.18	3,406.2	-189.4	-221.5	0.60	-0.48	-2.12	-16.2		8.7
3,450.0	9.97	217.24	3,430.8	-192.8	-224.1	0.17	0.16	0.32	-16.1		9.2



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #604H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well WC #604H
KB = 25' @ 3387.0usft
KB = 25' @ 3387.0usft
Grid
Minimum Curvature
EDM 5000.14

Survey											
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)	
3,475.0	10.01	217.10	3,455.4	-196.3	-226.7	0.19	0.16	-0.56	-16.1		9.7
3,500.0	10.15	217.33	3,480.0	-199.8	-229.4	0.58	0.56	0.92	-16.1		10.3
3,525.0	10.50	217.57	3,504.6	-203.3	-232.1	1.41	1.40	0.96	-16.2		10.8
3,550.0	11.03	218.37	3,529.2	-207.0	-234.9	2.20	2.12	3.20	-16.3		11.5
3,575.0	11.10	218.82	3,553.7	-210.7	-237.9	0.44	0.28	1.80	-16.6		12.0
3,600.0	11.20	218.75	3,578.2	-214.5	-241.0	0.40	0.40	-0.28	-17.1		12.4
3,625.0	11.20	218.71	3,602.8	-218.3	-244.0	0.03	0.00	-0.16	-17.6		12.8
3,650.0	11.19	218.72	3,627.3	-222.1	-247.0	0.04	-0.04	0.04	-18.1		13.2
3,675.0	11.04	218.50	3,651.8	-225.9	-250.1	0.62	-0.60	-0.88	-18.6		13.5
3,700.0	10.99	218.41	3,676.4	-229.6	-253.0	0.21	-0.20	-0.36	-19.0		13.9
3,725.0	10.78	218.33	3,700.9	-233.3	-256.0	0.84	-0.84	-0.32	-19.4		14.3
3,750.0	10.76	218.51	3,725.5	-237.0	-258.9	0.18	-0.08	0.72	-19.6		14.7
3,775.0	10.82	218.44	3,750.0	-240.6	-261.8	0.25	0.24	-0.28	-20.0		15.1
3,800.0	10.69	218.60	3,774.6	-244.3	-264.7	0.53	-0.52	0.64	-20.2		15.6
3,825.0	10.51	218.71	3,799.2	-247.9	-267.5	0.72	-0.72	0.44	-20.4		16.0
3,850.0	10.40	218.21	3,823.7	-251.4	-270.4	0.57	-0.44	-2.00	-20.7		16.3
3,875.0	10.27	218.05	3,848.3	-254.9	-273.1	0.53	-0.52	-0.64	-20.9		16.6
3,900.0	9.97	216.69	3,872.9	-258.4	-275.8	1.53	-1.20	-5.44	-21.3		16.6
3,925.0	9.89	216.30	3,897.6	-261.9	-278.4	0.42	-0.32	-1.56	-21.3		17.1
3,950.0	9.84	215.86	3,922.2	-265.4	-280.9	0.36	-0.20	-1.76	-21.4		17.5
3,975.0	9.87	215.67	3,946.8	-268.8	-283.4	0.18	0.12	-0.76	-21.4		18.0
4,000.0	9.90	215.86	3,971.5	-272.3	-285.9	0.18	0.12	0.76	-21.2		18.7
4,025.0	10.18	216.27	3,996.1	-275.8	-288.5	1.16	1.12	1.64	-21.1		19.5
4,050.0	10.36	216.49	4,020.7	-279.4	-291.1	0.74	0.72	0.88	-21.1		20.1
4,075.0	10.42	216.60	4,045.3	-283.0	-293.8	0.25	0.24	0.44	-21.2		20.7
4,100.0	10.43	216.71	4,069.9	-286.7	-296.5	0.09	0.04	0.44	-21.4		21.3
4,125.0	10.29	216.61	4,094.5	-290.3	-299.2	0.56	-0.56	-0.40	-21.5		21.8



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #804H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #804H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey											
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)	
4,150.0	10.30	216.87	4,118.0	-293.9	-301.9	0.19	0.04	1.04	-21.5	-21.5	22.5
4,175.0	10.35	217.12	4,143.6	-297.4	-304.5	0.27	0.20	1.00	-21.5	-21.5	23.1
4,200.0	10.52	220.25	4,168.2	-301.0	-307.4	2.37	0.68	12.52	-20.4	-20.4	24.6
4,225.0	10.77	225.34	4,192.8	-304.4	-310.5	3.89	1.00	20.36	-18.4	-18.4	26.4
4,250.0	10.82	228.66	4,217.4	-307.5	-313.9	2.49	0.20	13.28	-17.2	-17.2	27.2
4,275.0	10.83	229.18	4,241.9	-310.6	-317.5	0.39	0.04	2.08	-17.3	-17.3	26.9
4,300.0	10.57	228.98	4,266.5	-313.7	-321.0	1.05	-1.04	-0.80	-17.6	-17.6	26.5
4,325.0	10.35	228.28	4,291.1	-316.7	-324.4	1.02	-0.88	-2.80	-18.1	-18.1	25.9
4,350.0	9.99	227.02	4,315.7	-319.6	-327.7	1.69	-1.44	-5.04	-18.7	-18.7	25.2
4,375.0	9.72	225.04	4,340.3	-322.6	-330.7	1.73	-1.08	-7.92	-19.4	-19.4	24.4
4,400.0	9.45	223.15	4,365.0	-325.6	-333.6	1.66	-1.08	-7.56	-19.9	-19.9	23.7
4,425.0	9.35	221.64	4,389.6	-328.6	-336.4	1.06	-0.40	-6.04	-20.2	-20.2	23.3
4,450.0	9.32	220.78	4,414.3	-331.7	-339.1	0.57	-0.12	-3.44	-20.2	-20.2	23.2
4,475.0	9.23	219.77	4,439.0	-334.7	-341.7	0.74	-0.36	-4.04	-20.3	-20.3	23.1
4,500.0	9.20	219.30	4,463.6	-337.8	-344.2	0.32	-0.12	-1.88	-20.1	-20.1	23.3
4,525.0	9.10	218.67	4,488.3	-340.9	-346.7	0.57	-0.40	-2.52	-19.9	-19.9	23.5
4,550.0	9.12	218.64	4,513.0	-344.0	-349.2	0.08	0.08	-0.12	-19.5	-19.5	23.8
4,575.0	9.16	218.47	4,537.7	-347.1	-351.7	0.19	0.16	-0.68	-19.1	-19.1	24.2
4,600.0	9.23	218.44	4,562.4	-350.2	-354.1	0.28	0.28	-0.12	-18.8	-18.8	24.6
4,625.0	9.34	218.40	4,587.0	-353.4	-356.6	0.44	0.44	-0.16	-18.4	-18.4	25.0
4,650.0	10.03	218.91	4,611.7	-356.7	-359.3	2.76	2.76	2.04	-18.0	-18.0	25.6
4,675.0	10.78	219.25	4,636.3	-360.2	-362.1	3.01	3.00	1.36	-18.0	-18.0	26.0
4,700.0	11.58	219.65	4,660.8	-363.9	-365.2	3.21	3.20	1.60	-18.3	-18.3	26.5
4,725.0	11.79	219.11	4,685.3	-367.9	-368.4	0.95	0.84	-2.16	-19.2	-19.2	26.7
4,750.0	11.88	218.74	4,709.7	-371.8	-371.6	0.47	0.36	-1.48	-20.2	-20.2	26.9
4,775.0	11.75	217.48	4,734.2	-375.9	-374.8	1.16	-0.52	-5.04	-21.5	-21.5	26.9
4,800.0	11.55	216.01	4,758.7	-379.9	-377.8	1.43	-0.80	-5.88	-22.9	-22.9	26.9



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #604H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #604H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Bulid (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,825.0	11.17	214.34	4,783.2	-383.9	-380.7	2.01	-1.52	-6.68	-24.2	26.9	
4,850.0	10.94	213.94	4,807.7	-387.9	-383.3	0.97	-0.92	-1.60	-24.9	27.4	
4,875.0	10.67	213.58	4,832.3	-391.8	-385.9	1.11	-1.08	-1.44	-25.4	28.1	
4,900.0	10.51	213.94	4,856.9	-395.6	-388.5	0.69	-0.64	1.44	-25.5	29.0	
4,925.0	10.24	214.61	4,881.5	-399.3	-391.0	1.18	-1.08	2.68	-25.4	30.0	
4,950.0	10.04	215.13	4,906.1	-403.0	-393.6	0.88	-0.80	2.08	-25.1	30.8	
4,975.0	9.87	215.43	4,930.7	-406.5	-396.0	0.71	-0.68	1.20	-24.9	31.7	
5,000.0	9.63	215.33	4,955.3	-409.9	-398.5	0.86	-0.96	-0.40	-24.9	32.3	
5,025.0	9.53	215.11	4,980.0	-413.3	-400.9	0.43	-0.40	-0.88	-24.8	32.9	
5,050.0	9.40	214.78	5,004.7	-416.7	-403.3	0.56	-0.52	-1.32	-24.8	33.4	
5,075.0	9.22	215.08	5,029.3	-420.0	-405.6	0.75	-0.72	1.20	-24.3	34.2	
5,100.0	9.30	215.68	5,054.0	-423.3	-407.9	0.50	0.32	2.40	-23.6	35.1	
5,125.0	9.91	220.88	5,078.6	-426.6	-410.5	4.24	2.44	20.80	-20.1	37.5	
5,150.0	10.59	225.90	5,103.2	-429.8	-413.5	4.49	2.72	20.08	-16.9	39.1	
5,175.0	10.76	226.34	5,127.8	-433.0	-416.9	0.75	0.68	1.76	-16.8	39.1	
5,200.0	10.83	226.43	5,152.4	-436.2	-420.3	0.29	0.28	0.36	-17.1	38.9	
5,225.0	10.88	226.61	5,176.9	-439.5	-423.7	0.24	0.20	0.72	-17.3	38.7	
5,250.0	10.92	226.43	5,201.5	-442.7	-427.1	0.21	0.16	-0.72	-17.7	38.5	
5,275.0	11.00	226.21	5,226.0	-446.0	-430.6	0.36	0.32	-0.88	-18.2	38.2	
5,300.0	10.99	226.02	5,250.6	-449.3	-434.0	0.15	-0.04	-0.76	-18.7	38.0	
5,325.0	10.95	225.16	5,275.1	-452.6	-437.4	0.67	-0.16	-3.44	-19.7	37.6	
5,350.0	10.93	224.83	5,299.6	-456.0	-440.7	0.26	-0.08	-1.32	-20.2	37.4	
5,375.0	10.93	224.60	5,324.2	-459.4	-444.1	0.17	0.00	-0.92	-20.7	37.2	
5,400.0	10.90	224.34	5,348.7	-462.7	-447.4	0.23	-0.12	-1.04	-21.2	37.1	
5,425.0	10.93	224.10	5,373.3	-466.1	-450.7	0.22	0.12	-0.96	-21.7	37.0	
5,450.0	10.91	223.91	5,397.8	-469.5	-454.0	0.16	-0.08	-0.76	-22.2	36.9	
5,475.0	10.97	223.86	5,422.4	-473.0	-457.3	0.24	0.24	-0.20	-22.6	36.9	



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #804H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #804H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey											
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)	
5,500.0	10.84	223.52	5,446.9	-476.4	-460.5	0.58	-0.52	-1.36	-23.1	36.7	
5,525.0	10.86	223.30	5,471.5	-479.8	-463.8	0.18	0.08	-0.88	-23.6	36.7	
5,550.0	10.92	223.51	5,496.0	-483.2	-467.0	0.29	0.24	0.84	-23.8	36.8	
5,575.0	11.02	224.54	5,520.6	-486.6	-470.3	0.88	0.40	4.12	-23.5	37.2	
5,600.0	11.39	229.64	5,545.1	-489.9	-473.9	4.23	1.48	20.40	-20.6	38.9	
5,625.0	11.34	232.99	5,569.6	-493.0	-477.7	2.65	-0.20	13.40	-19.0	39.4	
5,650.0	11.31	233.35	5,594.1	-496.0	-481.7	0.31	-0.12	1.44	-19.3	38.9	
5,675.0	11.17	233.10	5,618.6	-498.9	-485.6	0.59	-0.56	-1.00	-20.0	38.1	
5,700.0	10.96	232.46	5,643.2	-501.8	-489.4	0.97	-0.84	-2.56	-20.9	37.1	
5,725.0	10.84	232.07	5,667.7	-504.7	-493.1	0.56	-0.48	-1.56	-21.5	36.4	
5,750.0	10.77	231.74	5,692.3	-507.6	-496.8	0.37	-0.28	-1.32	-22.0	35.6	
5,775.0	10.77	231.60	5,716.8	-510.5	-500.5	0.10	0.00	-0.56	-22.4	35.0	
5,800.0	10.84	231.57	5,741.4	-513.4	-504.1	0.28	0.28	-0.12	-22.8	34.4	
5,825.0	10.88	231.44	5,766.0	-516.3	-507.8	0.19	0.16	-0.52	-23.2	33.7	
5,850.0	10.92	231.64	5,790.5	-519.3	-511.5	0.22	0.16	0.80	-23.5	33.2	
5,875.0	10.92	231.43	5,815.0	-522.2	-515.2	0.16	0.00	-0.84	-24.0	32.5	
5,900.0	10.89	230.81	5,839.6	-525.2	-518.9	0.48	-0.12	-2.48	-24.7	31.7	
5,925.0	10.88	230.67	5,864.1	-528.2	-522.6	0.11	-0.04	-0.56	-25.1	31.1	
5,950.0	10.87	230.29	5,888.7	-531.2	-526.2	0.29	-0.04	-1.52	-25.7	30.5	
5,975.0	10.49	229.35	5,913.3	-534.1	-529.8	1.67	-1.52	-3.76	-26.4	29.6	
6,000.0	10.38	228.80	5,937.9	-537.1	-533.2	0.59	-0.44	-2.20	-26.9	28.9	
6,025.0	10.36	228.78	5,962.4	-540.1	-536.6	0.08	-0.08	-0.08	-27.0	28.6	
6,050.0	10.37	228.58	5,987.0	-543.0	-539.9	0.15	0.04	-0.80	-27.2	28.1	
6,075.0	10.38	228.63	6,011.6	-546.0	-543.3	0.05	0.04	0.20	-27.3	27.7	
6,100.0	10.39	228.56	6,036.2	-549.0	-546.7	0.06	0.04	-0.28	-27.5	27.4	
6,125.0	10.31	228.28	6,060.8	-552.0	-550.1	0.38	-0.32	-1.12	-27.7	26.9	
6,150.0	10.10	228.14	6,085.4	-554.9	-553.4	0.85	-0.84	-0.56	-27.8	26.5	



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well WC #604H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3387.0usft
Site:	Streeter 15 Fed	MD Reference:	KB = 25' @ 3387.0usft
Well:	WC #604H	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)	
6,175.0	9.92	228.03	6,110.0	-557.8	-558.6	0.72	-0.72	-0.44	-27.8	26.1	
6,200.0	9.68	227.59	6,134.7	-560.7	-559.8	1.01	-0.96	-1.76	-27.9	25.6	
6,225.0	9.60	227.43	6,159.3	-563.5	-562.8	0.34	-0.32	-0.64	-27.7	25.2	
6,250.0	9.35	227.16	6,184.0	-566.3	-565.9	1.02	-1.00	-1.08	-27.6	24.8	
6,275.0	9.36	226.92	6,208.6	-569.1	-568.8	0.16	0.04	-0.96	-27.3	24.5	
6,300.0	9.33	226.91	6,233.3	-571.9	-571.8	0.12	-0.12	-0.04	-27.0	24.2	
6,325.0	9.17	226.38	6,258.0	-574.6	-574.7	0.73	-0.64	-2.12	-26.9	23.8	
6,350.0	9.18	226.05	6,282.7	-577.4	-577.6	0.21	0.04	-1.32	-26.6	23.4	
6,375.0	8.98	226.01	6,307.4	-580.1	-580.4	0.80	-0.80	-0.16	-26.1	23.3	
6,400.0	8.91	225.78	6,332.0	-582.8	-583.2	0.31	-0.28	-0.92	-25.7	23.0	
6,425.0	8.78	225.42	6,356.8	-585.5	-586.0	0.57	-0.52	-1.44	-25.3	22.7	
6,450.0	8.81	225.35	6,381.5	-588.2	-588.7	0.13	0.12	-0.28	-24.7	22.8	
6,475.0	8.80	225.36	6,406.2	-590.9	-591.4	0.04	-0.04	0.04	-24.2	22.4	
6,500.0	8.75	225.11	6,430.9	-593.6	-594.1	0.25	-0.20	-1.00	-23.7	22.2	
6,525.0	8.74	224.82	6,455.6	-596.3	-596.8	0.18	-0.04	-1.16	-23.2	22.0	
6,550.0	8.74	224.80	6,480.3	-599.0	-599.5	0.01	0.00	-0.08	-22.6	21.9	
6,575.0	8.82	224.71	6,505.0	-601.7	-602.2	0.32	0.32	-0.36	-22.0	21.8	
6,600.0	8.78	224.76	6,529.7	-604.4	-604.9	0.16	-0.16	0.20	-21.4	21.8	
6,625.0	8.90	224.72	6,554.4	-607.1	-607.6	0.48	0.48	-0.16	-20.9	21.7	
6,650.0	8.86	224.54	6,579.1	-609.9	-610.3	0.19	-0.16	-0.72	-20.4	21.6	
6,675.0	8.89	224.48	6,603.8	-612.6	-613.0	0.13	0.12	-0.24	-19.9	21.5	
6,700.0	8.89	224.11	6,628.5	-615.4	-615.7	0.23	0.00	-1.48	-19.5	21.4	
6,725.0	8.87	224.06	6,653.2	-618.1	-618.4	0.09	-0.08	-0.20	-18.9	21.3	
6,750.0	8.86	223.50	6,677.9	-620.9	-621.0	0.35	-0.04	-2.24	-18.6	21.1	
6,775.0	8.94	223.43	6,702.6	-623.7	-623.7	0.32	0.32	-0.28	-18.1	21.1	
6,800.0	8.86	223.14	6,727.3	-626.5	-626.4	0.37	-0.32	-1.16	-17.6	21.1	
6,825.0	8.50	222.07	6,752.0	-629.3	-628.9	1.58	-1.44	-4.28	-17.4	20.9	



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #604H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #604H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	BuId (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
6,850.0	7.67	220.98	6,776.8	-632.0	-631.2	3.38	-3.32	-4.36	-16.9	20.7
6,875.0	7.38	220.46	6,801.6	-634.4	-633.4	1.19	-1.16	-2.08	-16.0	20.8
6,900.0	7.06	221.01	6,826.4	-636.8	-635.4	1.31	-1.28	2.20	-14.5	21.2
6,925.0	6.04	222.94	6,851.2	-638.9	-637.3	4.17	-4.08	7.72	-12.2	21.8
6,950.0	4.89	224.99	6,876.1	-640.7	-639.0	4.67	-4.60	8.20	-9.4	22.2
6,975.0	4.68	225.21	6,901.0	-642.1	-640.5	0.84	-0.84	0.88	-7.0	22.1
7,000.0	4.60	225.24	6,925.9	-643.6	-641.9	0.32	-0.32	0.12	-4.6	22.0
7,025.0	4.60	224.86	6,950.8	-645.0	-643.3	0.12	0.00	-1.52	-2.3	21.9
7,050.0	4.59	224.76	6,975.7	-646.4	-644.7	0.05	-0.04	-0.40	0.0	21.8
7,075.0	4.63	224.40	7,000.7	-647.8	-646.1	0.20	0.16	-1.44	2.3	21.8
7,100.0	4.66	224.72	7,025.6	-649.3	-647.6	0.16	0.12	1.28	4.8	21.7
7,125.0	4.87	224.73	7,050.5	-650.7	-649.0	0.04	0.04	0.04	7.2	21.8
7,150.0	4.71	224.72	7,075.4	-652.2	-650.4	0.16	0.16	-0.04	9.5	21.6
7,175.0	4.73	224.60	7,100.3	-653.6	-651.9	0.09	0.08	-0.48	11.8	21.5
7,200.0	4.73	224.54	7,125.2	-655.1	-653.3	0.02	0.00	-0.24	14.2	21.5
7,225.0	4.73	224.37	7,150.2	-656.6	-654.8	0.06	0.00	-0.68	16.5	21.5
7,250.0	4.74	224.73	7,175.1	-658.0	-656.2	0.13	0.04	1.44	18.9	21.3
7,275.0	4.54	224.93	7,200.0	-659.5	-657.6	0.80	-0.80	0.80	21.1	21.2
7,300.0	3.46	224.56	7,224.9	-660.7	-658.9	4.32	-4.32	-1.48	23.1	21.3
7,325.0	2.96	223.15	7,249.9	-661.7	-659.8	2.02	-2.00	-5.64	24.8	21.9
7,350.0	2.79	222.98	7,274.9	-662.6	-660.7	0.68	-0.68	-0.68	27.0	22.0
7,375.0	2.78	222.38	7,299.8	-663.5	-661.5	0.12	-0.04	-2.40	28.8	22.4
7,400.0	2.79	222.69	7,324.8	-664.4	-662.3	0.07	0.04	1.24	30.8	22.3
7,425.0	2.82	222.61	7,349.8	-665.3	-663.2	0.12	0.12	-0.32	32.3	22.3
7,450.0	2.84	222.70	7,374.7	-666.2	-664.0	0.08	0.08	0.36	33.7	22.3
7,475.0	2.82	222.10	7,399.7	-667.1	-664.8	0.14	-0.08	-2.40	34.7	22.8
7,500.0	2.79	221.36	7,424.7	-668.1	-665.6	0.19	-0.12	-2.96	35.3	23.3



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well WC #604H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3387.0usft
Site:	Streetcar 15 Fed	MD Reference:	KB = 25' @ 3387.0usft
Well:	WC #604H	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)	DLag (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
7,525.0	2.73	220.64	7,449.7	-669.0	-666.4	0.28	-0.24	-2.88	35.7	23.8	
7,550.0	2.61	219.89	7,474.6	-669.8	-667.2	0.50	-0.48	-3.00	36.0	24.4	
7,575.0	2.17	218.73	7,499.6	-670.7	-667.8	1.77	-1.76	-4.64	35.9	25.2	
7,600.0	1.43	215.86	7,524.6	-671.3	-668.3	2.98	-2.96	-11.48	35.1	27.2	
7,625.0	1.22	215.52	7,549.6	-671.7	-668.7	0.84	-0.84	-1.36	35.4	27.5	
7,650.0	1.22	215.32	7,574.6	-672.2	-669.0	0.02	0.00	-0.80	35.6	27.8	
7,675.0	1.21	215.32	7,599.6	-672.6	-669.3	0.04	-0.04	0.00	35.6	27.9	
7,700.0	1.21	215.54	7,624.6	-673.0	-669.6	0.02	0.00	0.88	35.6	27.8	
7,725.0	1.25	215.27	7,649.6	-673.5	-669.9	0.16	0.16	-1.08	35.1	28.0	
7,750.0	1.27	217.16	7,674.6	-673.9	-670.2	0.18	0.08	7.56	35.5	26.8	
7,775.0	1.31	216.44	7,699.5	-674.4	-670.6	0.17	0.16	-2.88	34.6	27.2	
7,800.0	1.29	217.48	7,724.5	-674.8	-670.9	0.12	-0.08	4.16	34.5	26.6	
7,825.0	1.28	218.68	7,749.5	-675.3	-671.2	0.11	-0.04	4.80	34.5	25.9	
7,850.0	1.05	224.61	7,774.5	-675.7	-671.6	1.04	-0.92	23.72	36.5	22.2	
7,875.0	0.56	264.30	7,799.5	-675.8	-671.9	2.86	-1.96	158.76	41.9	-6.0	
7,900.0	0.54	280.61	7,824.5	-675.8	-672.1	0.63	-0.08	65.24	38.3	-17.5	
7,925.0	0.53	285.36	7,849.5	-675.8	-672.3	0.18	-0.04	19.00	36.5	-20.6	
7,950.0	0.51	280.05	7,874.5	-675.7	-672.5	0.21	-0.08	-21.24	38.0	-17.2	
7,975.0	0.53	276.03	7,899.5	-675.7	-672.8	0.17	0.08	-16.08	38.9	-14.5	
8,000.0	0.56	265.19	7,924.5	-675.7	-673.0	0.43	0.12	-43.36	40.7	-6.9	
8,025.0	0.58	260.04	7,949.5	-675.7	-673.3	0.22	0.08	-20.60	40.9	-3.3	
8,050.0	0.64	253.36	7,974.5	-675.8	-673.5	0.37	0.24	-26.72	40.8	1.5	
8,075.0	0.67	248.12	7,999.5	-675.9	-673.8	0.27	0.12	-20.86	40.2	5.2	
8,100.0	0.64	248.04	8,024.5	-676.0	-674.0	0.12	-0.12	-0.32	39.9	5.3	
8,125.0	0.64	246.67	8,049.5	-676.1	-674.3	0.06	0.00	-5.48	39.5	6.2	
8,150.0	0.68	246.70	8,074.5	-676.2	-674.6	0.16	0.16	0.12	39.2	6.2	
8,175.0	0.66	241.73	8,099.5	-676.3	-674.8	0.25	-0.08	-19.88	38.2	9.6	



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #604H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #604H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey											
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)	
8,200.0	0.65	243.62	8,124.5	-676.5	-675.1	0.10	-0.04	7.56	38.2	8.3	
8,225.0	0.67	239.71	8,149.5	-676.6	-675.3	0.20	0.08	-15.64	37.3	10.9	
8,250.0	0.67	237.97	8,174.5	-676.7	-675.6	0.08	0.00	-6.96	36.6	12.0	
8,275.0	0.68	233.54	8,199.5	-676.9	-675.8	0.21	0.04	-17.72	35.3	14.8	
8,300.0	0.68	230.58	8,224.5	-677.1	-676.1	0.14	0.00	-11.84	34.2	16.6	
8,325.0	0.73	229.18	8,249.5	-677.3	-676.3	0.21	0.20	-5.60	33.5	17.4	
8,350.0	0.71	227.59	8,274.5	-677.5	-676.5	0.11	-0.08	-6.36	32.7	18.3	
8,375.0	0.74	228.68	8,299.5	-677.7	-676.8	0.13	0.12	4.36	32.7	17.7	
8,400.0	0.72	225.70	8,324.5	-677.9	-677.0	0.17	-0.08	-11.92	31.4	19.4	
8,425.0	0.73	226.79	8,349.5	-678.1	-677.2	0.07	0.04	4.36	31.4	18.8	
8,450.0	0.75	225.04	8,374.5	-678.4	-677.5	0.12	0.08	-7.00	30.5	19.7	
8,475.0	0.88	223.60	8,399.5	-678.6	-677.7	0.53	0.52	-5.76	29.7	20.5	
8,500.0	0.94	219.71	8,424.5	-678.9	-678.0	0.34	0.24	-15.56	27.8	22.4	
8,525.0	1.00	220.54	8,449.5	-679.2	-678.3	0.25	0.24	3.32	27.7	22.0	
8,550.0	0.99	219.53	8,474.5	-679.6	-678.5	0.08	-0.04	-4.04	26.9	22.5	
8,575.0	1.02	217.36	8,499.5	-679.9	-678.8	0.19	0.12	-8.68	25.6	23.5	
8,600.0	0.94	218.21	8,524.5	-680.3	-679.1	0.33	-0.32	3.40	25.5	23.1	
8,625.0	0.69	236.95	8,549.5	-680.5	-679.3	1.45	-1.00	74.96	31.2	13.8	
8,650.0	0.55	313.07	8,574.5	-680.5	-679.5	3.09	-0.56	304.48	20.7	-26.9	
8,675.0	0.75	334.71	8,599.5	-680.3	-679.7	1.25	0.80	86.56	9.1	-32.6	
8,700.0	0.82	335.94	8,624.5	-680.0	-679.8	0.29	0.28	4.92	8.0	-32.7	
8,725.0	0.82	337.06	8,649.5	-679.6	-680.0	0.06	0.00	4.48	7.0	-32.9	
8,750.0	0.79	335.05	8,674.5	-679.3	-680.1	0.16	-0.12	-8.04	7.8	-32.6	
8,775.0	0.77	332.08	8,699.5	-679.0	-680.3	0.18	-0.08	-11.96	9.2	-32.2	
8,800.0	0.71	326.45	8,724.5	-678.7	-680.4	0.38	-0.24	-22.44	11.9	-31.2	
8,825.0	0.66	322.38	8,749.5	-678.5	-680.6	0.28	-0.20	-16.28	13.8	-30.2	
8,850.0	0.59	313.70	8,774.4	-678.3	-680.8	0.47	-0.28	-34.72	18.0	-27.8	



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #604H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #604H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
8,875.0	0.52	304.49	8,799.4	-678.1	-681.0	0.45	-0.28	-36.84	21.9	-24.6
8,900.0	0.49	297.65	8,824.4	-678.0	-681.2	0.27	-0.12	-27.36	24.5	-21.8
8,925.0	0.47	292.76	8,849.4	-677.9	-681.4	0.18	-0.08	-19.56	26.1	-19.7
8,950.0	0.49	291.47	8,874.4	-677.8	-681.5	0.09	0.08	-5.16	26.3	-19.1
8,975.0	0.50	283.41	8,899.4	-677.8	-681.8	0.28	0.04	-32.24	28.5	-15.2
9,000.0	0.52	281.17	8,924.4	-677.7	-682.0	0.11	0.08	-8.96	28.8	-14.1
9,025.0	0.59	276.28	8,949.4	-677.7	-682.2	0.34	0.28	-19.56	29.7	-11.6
9,050.0	0.61	277.87	8,974.4	-677.7	-682.5	0.10	0.08	6.36	29.1	-12.4
9,075.0	0.57	272.57	8,999.4	-677.6	-682.7	0.27	-0.16	-21.20	29.9	-9.7
9,100.0	0.61	267.41	9,024.4	-677.6	-683.0	0.27	0.16	-20.64	30.4	-7.0
9,125.0	0.62	271.80	9,049.4	-677.6	-683.2	0.19	0.04	17.56	29.5	-9.3
9,150.0	0.62	266.54	9,074.4	-677.6	-683.5	0.23	0.00	-21.04	29.9	-6.6
9,175.0	0.62	265.23	9,099.4	-677.7	-683.8	0.06	0.00	-5.24	29.8	-5.9
9,200.0	0.63	264.57	9,124.4	-677.7	-684.1	0.05	0.04	-2.64	29.6	-5.5
9,225.0	0.64	264.30	9,149.4	-677.7	-684.3	0.04	0.04	-1.08	29.3	-5.4
9,250.0	0.66	262.40	9,174.4	-677.8	-684.6	0.12	0.08	-7.60	29.2	-4.4
9,275.0	0.73	259.96	9,199.4	-677.8	-684.9	0.30	0.28	-9.76	29.1	-3.2
9,300.0	0.72	258.52	9,224.4	-677.9	-685.2	0.08	-0.04	-5.76	28.8	-2.5
9,325.0	0.75	255.91	9,249.4	-677.9	-685.5	0.18	0.12	-10.44	28.6	-1.1
9,350.0	0.73	253.64	9,274.4	-678.0	-685.9	0.14	-0.08	-9.08	28.3	0.0
9,375.0	0.74	255.30	9,299.4	-678.1	-686.2	0.09	0.04	6.64	28.0	-0.8
9,400.0	0.76	257.23	9,324.4	-678.2	-686.5	0.13	0.08	7.72	27.6	-1.8
9,425.0	0.77	258.50	9,349.4	-678.2	-686.8	0.08	0.04	5.08	27.2	-2.4
9,450.0	0.82	260.25	9,374.4	-678.3	-687.1	0.22	0.20	7.00	26.8	-3.2
9,475.0	0.88	262.50	9,399.4	-678.4	-687.5	0.27	0.24	9.00	26.3	-4.2
9,500.0	1.11	255.73	9,424.4	-678.5	-687.9	1.03	0.92	-27.08	26.2	-1.1
9,525.0	1.29	256.45	9,449.4	-678.6	-688.4	0.72	0.72	2.88	25.6	-1.5



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well WC #804H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3387.0usft
Site:	Streetcar 15 Fed	MD Reference:	KB = 25' @ 3387.0usft
Well:	WC #804H	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)	
9,550.0	1.54	265.08	9,474.4	-678.7	-689.1	1.31	1.00	34.52	24.5	-5.2	
9,575.0	1.25	272.41	9,499.4	-678.7	-689.7	1.36	-1.16	29.32	23.0	-8.3	
9,600.0	0.70	308.32	9,524.4	-678.6	-690.1	3.19	-2.20	143.64	13.4	-20.0	
9,625.0	0.53	331.71	9,549.4	-678.4	-690.2	1.20	-0.68	93.56	4.1	-23.7	
9,650.0	0.41	339.32	9,574.4	-678.2	-690.3	0.54	-0.48	30.44	0.7	-24.0	
9,675.0	0.32	317.79	9,599.4	-678.1	-690.4	0.65	-0.36	-86.12	9.3	-22.1	
9,700.0	0.27	288.73	9,624.4	-678.0	-690.5	0.62	-0.20	-116.24	18.7	-14.8	
9,725.0	0.30	272.78	9,649.4	-678.0	-690.6	0.34	0.12	-63.80	22.0	-9.1	
9,750.0	0.30	259.99	9,674.4	-678.0	-690.7	0.27	0.00	-51.16	23.3	-4.0	
9,775.0	0.32	247.18	9,699.4	-678.0	-690.9	0.29	0.08	-51.24	23.5	1.2	
9,800.0	0.27	249.16	9,724.4	-678.1	-691.0	0.20	-0.20	7.92	23.4	0.4	
9,825.0	0.33	252.98	9,749.4	-678.1	-691.1	0.25	0.24	15.28	23.2	-1.1	
9,850.0	0.36	264.01	9,774.4	-678.1	-691.3	0.29	0.12	44.12	22.4	-5.5	
9,875.0	0.36	260.99	9,799.4	-678.2	-691.4	0.08	0.00	-12.08	22.5	-4.4	
9,900.0	0.51	271.41	9,824.4	-678.2	-691.6	0.68	0.60	41.68	21.2	-8.4	
9,925.0	0.55	272.95	9,849.4	-678.2	-691.8	0.17	0.16	6.16	20.7	-8.9	
9,950.0	0.72	283.07	9,874.4	-678.1	-692.1	0.81	0.68	40.48	18.6	-12.4	
9,975.0	0.87	284.65	9,899.4	-678.0	-692.5	0.61	0.60	6.32	17.9	-12.9	
10,000.0	1.10	292.89	9,924.4	-677.9	-692.9	1.08	0.92	32.96	15.4	-15.3	
10,025.0	1.38	292.92	9,949.4	-677.7	-693.4	1.12	1.12	0.12	14.9	-15.3	
10,050.0	1.54	294.16	9,974.4	-677.4	-693.9	0.65	0.64	4.96	13.9	-15.6	
10,075.0	1.71	288.69	9,999.3	-677.2	-694.6	0.92	0.68	-21.88	14.6	-14.3	
10,100.0	1.70	280.18	10,024.3	-677.0	-695.3	1.01	-0.04	-34.04	15.8	-12.0	
10,125.0	1.64	262.88	10,049.3	-677.0	-696.0	2.02	-0.24	-69.20	18.0	-6.9	
10,150.0	1.62	232.02	10,074.3	-677.2	-696.7	3.47	-0.08	-123.44	18.3	3.1	
10,175.0	2.04	211.31	10,099.3	-677.8	-697.2	3.11	1.68	-82.84	15.2	9.3	
10,200.0	2.54	208.81	10,124.3	-678.7	-697.7	2.04	2.00	-10.00	13.8	9.9	



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well WC #604H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3387.0usft
Site:	Streetcar 15 Fed	MD Reference:	KB = 25' @ 3387.0usft
Well:	WC #604H	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)	
10,225.0	2.69	207.66	10,149.3	-679.7	-698.2	0.64	0.60	-4.60	12.4	10.2	
10,250.0	2.16	199.02	10,174.2	-680.7	-698.6	2.57	-2.12	-34.56	9.7	11.8	
10,275.0	1.87	193.28	10,199.2	-681.5	-698.9	1.41	-1.16	-22.96	7.6	12.7	
10,300.0	1.72	182.98	10,224.2	-682.3	-699.0	1.42	-0.60	-41.20	4.4	13.8	
10,325.0	1.13	164.86	10,249.2	-682.9	-699.0	2.94	-2.36	-72.48	-0.7	14.4	
10,350.0	0.77	117.76	10,274.2	-683.2	-698.7	3.31	-1.44	-188.40	-11.3	9.1	
10,375.0	0.85	99.81	10,299.2	-683.3	-698.4	1.06	0.32	-71.80	-13.9	5.1	
10,400.0	0.92	94.80	10,324.2	-683.4	-698.0	0.42	0.28	-20.04	-14.7	3.9	
10,425.0	0.87	97.47	10,349.2	-683.4	-697.6	0.26	-0.20	10.68	-14.9	4.6	
10,450.0	0.80	98.55	10,374.2	-683.5	-697.3	0.29	-0.28	4.32	-15.2	4.9	
10,475.0	0.72	102.69	10,399.2	-683.5	-697.0	0.39	-0.32	16.56	-15.1	5.9	
10,500.0	0.63	105.87	10,424.2	-683.6	-696.7	0.39	-0.36	12.72	-15.0	6.8	
10,525.0	0.49	114.73	10,449.2	-683.7	-696.4	0.66	-0.56	35.44	-14.1	9.0	
10,550.0	0.44	140.43	10,474.2	-683.8	-696.3	0.85	-0.20	102.80	-8.9	14.3	
10,575.0	0.58	177.86	10,499.2	-684.0	-696.2	1.41	0.56	149.72	1.4	16.8	
10,600.0	0.93	201.33	10,524.2	-684.3	-696.3	1.84	1.40	93.88	7.7	15.0	
10,625.0	1.01	206.50	10,549.2	-684.7	-696.5	0.47	0.32	20.68	8.6	14.2	
10,650.0	1.00	213.40	10,574.2	-685.1	-696.7	0.49	-0.04	27.60	9.8	13.1	
10,675.0	0.80	218.88	10,599.2	-685.4	-696.9	0.87	-0.80	21.92	10.6	12.1	
10,700.0	0.54	206.51	10,624.2	-685.6	-697.1	1.18	-1.04	-49.48	7.4	14.1	
10,725.0	0.52	205.06	10,649.2	-685.8	-697.2	0.10	-0.08	-5.80	6.9	14.3	
10,750.0	0.48	196.16	10,674.2	-686.0	-697.2	0.35	-0.16	-35.60	4.3	15.1	
10,775.0	0.54	182.04	10,699.2	-686.3	-697.3	0.56	0.24	-56.48	0.3	15.7	
10,800.0	0.62	174.98	10,724.2	-686.5	-697.3	0.43	0.32	-28.24	-1.9	15.6	
10,825.0	0.72	161.45	10,749.2	-686.8	-697.2	0.75	0.40	-54.12	-5.8	14.7	
10,850.0	0.78	162.13	10,774.1	-687.1	-697.1	0.24	0.24	2.72	-5.9	14.8	
10,875.0	0.86	161.72	10,799.1	-687.4	-697.0	0.32	0.32	-1.64	-6.4	14.7	



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #604H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #604H
TVD Reference: KB = 25' @ 3387.0usft
ND Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)	
10,900.0	0.95	166.60	10,824.1	-687.8	-696.9	0.47	0.36	19.52	-5.5	15.2	
10,925.0	1.02	171.88	10,849.1	-688.2	-696.8	0.46	0.28	21.12	-4.5	15.7	
10,950.0	1.10	177.52	10,874.1	-688.7	-696.8	0.53	0.32	22.56	-3.4	16.1	
10,975.0	1.19	183.80	10,899.1	-689.2	-696.8	0.62	0.36	25.12	-2.1	16.4	
11,000.0	1.20	185.55	10,924.1	-689.7	-696.8	0.15	0.04	7.00	-2.1	16.5	
11,025.0	1.08	186.46	10,949.1	-690.2	-696.9	0.49	-0.48	3.64	-2.4	16.5	
11,050.0	1.04	186.52	10,974.1	-690.7	-696.9	0.16	-0.16	0.24	-2.8	16.5	
11,075.0	0.91	188.50	10,999.1	-691.1	-697.0	0.54	-0.52	7.92	-2.7	16.6	
11,100.0	0.74	193.22	11,024.1	-691.5	-697.0	0.73	-0.68	18.88	-1.7	16.8	
11,125.0	0.53	210.15	11,049.1	-691.7	-697.1	1.12	-0.84	67.72	3.0	16.6	
11,150.0	0.42	240.93	11,074.1	-691.9	-697.3	1.09	-0.44	123.12	10.9	12.8	
11,175.0	0.40	261.44	11,099.1	-691.9	-697.4	0.59	-0.08	82.04	14.5	8.2	
11,200.0	0.35	268.85	11,124.1	-691.9	-697.6	0.28	-0.20	29.64	15.3	6.2	
11,225.0	0.20	248.61	11,149.1	-691.9	-697.7	0.71	-0.60	-80.96	12.1	11.1	
11,250.0	0.23	188.70	11,174.1	-692.0	-697.8	0.87	0.12	-239.64	-3.6	16.0	
11,275.0	0.58	153.93	11,199.1	-692.2	-697.7	1.65	1.40	-139.08	-12.3	11.0	
11,300.0	0.96	153.55	11,224.1	-692.5	-697.6	1.52	1.52	-1.52	-12.7	10.9	
11,325.0	1.24	157.78	11,249.1	-692.9	-697.4	1.17	1.12	16.92	-12.3	11.8	
11,350.0	1.49	157.72	11,274.1	-693.5	-697.2	1.00	1.00	-0.24	-12.9	11.8	
11,375.0	1.70	161.84	11,299.1	-694.1	-696.9	0.96	0.84	16.48	-12.7	12.8	
11,400.0	1.79	162.66	11,324.1	-694.8	-696.7	0.37	0.36	3.28	-13.3	12.9	
11,425.0	1.90	161.22	11,349.1	-695.6	-696.4	0.48	0.44	-5.76	-14.4	12.6	
11,450.0	1.84	159.69	11,374.0	-696.4	-696.2	0.31	-0.24	-6.12	-15.6	12.2	
11,475.0	1.66	157.21	11,399.0	-697.1	-695.9	0.78	-0.72	-9.92	-16.9	11.5	
11,500.0	1.65	154.99	11,424.0	-697.7	-695.6	0.26	-0.04	-8.88	-18.0	10.8	
11,525.0	1.78	156.52	11,449.0	-698.4	-695.3	0.55	0.52	6.12	-18.5	11.3	
11,550.0	1.97	159.18	11,474.0	-699.2	-695.0	0.84	0.76	10.64	-18.7	12.2	



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #804H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)	
11,575.0	2.09	166.14	11,499.0	-700.0	-694.7	1.10	0.48	27.84	-18.0	14.4	
11,600.0	2.29	174.79	11,524.0	-701.0	-694.6	1.54	0.80	34.60	-16.6	17.0	
11,625.0	2.55	179.11	11,548.9	-702.0	-694.5	1.27	1.04	17.28	-16.3	18.3	
11,650.0	2.76	180.43	11,573.9	-703.2	-694.5	0.87	0.84	5.28	-17.0	18.6	
11,675.0	2.79	178.22	11,598.9	-704.4	-694.5	0.44	0.12	-8.84	-18.9	17.9	
11,700.0	2.81	178.34	11,623.9	-705.6	-694.4	0.08	0.08	0.48	-20.1	18.0	
11,725.0	2.78	179.30	11,648.8	-706.8	-694.4	0.22	-0.12	3.84	-21.0	18.3	
11,750.0	2.66	182.70	11,673.8	-708.0	-694.4	0.80	-0.48	13.60	-21.1	19.6	
11,775.0	2.58	186.46	11,698.8	-709.2	-694.5	0.76	-0.32	15.04	-20.9	21.0	
11,800.0	2.51	188.26	11,723.7	-710.3	-694.7	0.42	-0.28	7.20	-21.4	21.6	
11,825.0	2.33	191.22	11,748.7	-711.3	-694.9	0.88	-0.72	11.84	-21.3	22.7	
11,850.0	2.08	194.56	11,773.7	-712.2	-695.1	1.12	-1.00	13.36	-20.9	24.0	
11,875.0	1.87	200.09	11,798.7	-713.1	-695.3	1.13	-0.84	22.12	-19.3	25.9	
11,900.0	1.89	203.80	11,823.7	-713.8	-695.6	0.49	0.08	14.84	-18.4	27.1	
11,925.0	2.08	202.06	11,848.7	-714.6	-696.0	0.80	0.76	-6.96	-20.1	26.5	
11,950.0	2.28	199.22	11,873.6	-715.5	-696.3	0.91	0.80	-11.36	-22.4	25.5	
11,975.0	2.46	201.17	11,898.6	-716.5	-696.7	0.79	0.72	7.79	-22.5	26.3	
KOP 11975.0' MD; 11898.6' TVD; -716.5'; -696.7'; 2.46											
12,000.0	2.30	204.84	11,923.6	-717.4	-697.1	0.88	-0.64	14.69	-21.8	27.7	
12,025.0	0.90	318.75	11,948.6	-717.7	-697.4	11.16	-5.60	455.64	34.2	9.2	
12,050.0	4.57	12.42	11,973.6	-716.6	-697.3	16.41	14.68	214.68	27.7	-22.1	
12,075.0	10.65	16.01	11,998.3	-713.4	-696.5	24.38	24.32	14.36	25.1	-24.4	
12,100.0	17.01	16.41	12,022.6	-707.7	-694.8	25.44	25.44	1.60	22.3	-25.5	
12,125.0	23.22	15.40	12,046.1	-699.4	-692.4	24.88	24.84	-4.04	18.6	-26.4	
12,150.0	28.30	14.40	12,068.6	-688.9	-689.7	20.39	20.32	-4.00	13.8	-27.5	
12,175.0	31.05	13.13	12,090.3	-676.9	-686.7	11.28	11.00	-5.08	8.7	-28.9	
12,200.0	34.77	12.49	12,111.3	-663.7	-683.7	14.94	14.88	-2.56	3.3	-30.6	



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well WC #804H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3387.0usft
Site:	Streetcar 15 Fed	MD Reference:	KB = 25' @ 3387.0usft
Well:	WC #804H	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)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,225.0	37.24	11.90	12,131.5	-649.3	-680.6	9.98	9.88	-2.36	-2.2	-32.7
12,250.0	40.45	10.98	12,151.0	-633.9	-677.5	13.05	12.84	-3.68	-7.6	-35.1
12,275.0	41.48	10.77	12,169.8	-617.8	-674.4	4.16	4.12	-0.84	-13.2	-37.5
12,300.0	42.10	10.46	12,188.5	-601.5	-671.3	2.81	2.48	-1.24	-17.9	-40.1
12,325.0	44.65	10.18	12,206.6	-584.6	-668.3	10.23	10.20	-1.12	-21.8	-42.9
12,350.0	46.39	10.08	12,224.2	-567.0	-665.1	6.97	6.96	-0.40	-25.6	-45.7
12,375.0	48.73	7.38	12,241.0	-548.8	-662.3	12.29	9.36	-10.80	-27.2	-49.3
12,400.0	50.14	4.88	12,257.3	-529.9	-660.3	9.46	5.64	-10.00	-28.4	-52.1
12,425.0	52.79	1.93	12,272.9	-510.4	-659.2	14.05	10.60	-11.80	-28.8	-54.3
12,450.0	54.36	0.73	12,287.7	-490.3	-658.7	7.37	6.28	-4.80	-29.9	-55.2
12,475.0	58.85	358.36	12,301.5	-469.4	-658.9	19.62	17.96	-9.48	-30.3	-55.9
12,500.0	60.48	358.82	12,314.1	-447.8	-659.8	8.41	6.52	-6.16	-31.4	-55.5
12,525.0	62.19	355.94	12,326.1	-426.0	-661.2	7.50	6.84	-3.52	-32.1	-54.5
12,547.2	63.07	355.75	12,336.3	-406.3	-662.6	4.03	3.96	-0.84	-32.4	-53.2
FTP Crossing 12547.2' MD; 12336.3' TVD; -406.3' -662.6'; 63.07										
12,550.0	63.18	355.73	12,337.6	-403.8	-662.8	4.03	3.96	-0.83	-32.4	-53.0
12,575.0	63.70	355.72	12,348.7	-381.5	-664.5	2.08	2.08	-0.04	-31.6	-51.4
12,600.0	63.95	355.81	12,359.8	-359.1	-666.1	1.05	1.00	0.36	-29.5	-49.9
12,625.0	64.20	355.89	12,370.7	-336.7	-667.7	1.04	1.00	0.32	-28.1	-48.3
12,650.0	64.40	355.86	12,381.5	-314.2	-669.4	0.81	0.80	-0.12	-21.3	-46.8
12,675.0	65.65	356.14	12,392.1	-291.6	-670.9	5.10	5.00	1.12	-15.8	-45.1
12,700.0	66.80	357.07	12,402.2	-268.8	-672.3	5.72	4.60	3.72	-9.7	-43.6
12,725.0	67.06	356.61	12,412.0	-245.8	-673.6	1.99	1.04	-1.84	-2.5	-42.3
12,750.0	68.60	358.06	12,421.4	-222.7	-674.6	8.17	6.16	5.80	4.8	-41.3
12,775.0	70.45	1.55	12,430.1	-199.3	-674.7	15.03	7.40	13.96	12.1	-41.7
12,800.0	74.44	5.03	12,437.7	-175.5	-673.3	20.75	15.96	13.92	19.3	-43.6
12,825.0	79.67	6.84	12,443.3	-151.3	-670.8	22.08	20.92	7.24	25.4	-46.1



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #604H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #604H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EA (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
12,850.0	86.89	9.03	12,446.2	-128.7	-687.4	30.16	28.88	8.76	29.2	-49.2	
12,875.0	92.97	7.21	12,446.2	-102.0	-683.9	25.39	24.32	-7.28	29.7	-52.6	
12,900.0	96.50	4.96	12,444.2	-77.2	-661.2	16.73	14.12	-9.00	27.6	-55.5	
12,925.0	97.74	0.97	12,441.1	-52.4	-659.9	16.80	4.96	-15.96	24.1	-57.1	
12,950.0	99.08	359.96	12,437.4	-27.7	-659.7	6.69	5.36	-4.04	20.3	-57.5	
12,975.0	97.50	359.06	12,433.8	-3.0	-659.9	7.25	-6.32	-3.60	16.6	-57.5	
13,000.0	95.74	357.47	12,430.9	21.9	-660.7	9.46	-7.04	-6.36	13.7	-56.9	
13,025.0	91.47	354.72	12,429.4	46.7	-662.4	20.30	-17.08	-11.00	12.3	-55.3	
13,050.0	86.44	351.69	12,429.8	71.5	-665.4	23.49	-20.12	-12.12	13.4	-52.4	
13,075.0	84.56	349.75	12,431.8	96.1	-669.4	10.79	-7.52	-7.76	15.7	-48.4	
13,100.0	85.48	351.66	12,434.0	120.7	-673.4	8.45	3.68	7.64	17.5	-44.6	
13,125.0	88.62	354.24	12,435.7	145.5	-676.5	11.26	4.56	10.32	18.9	-41.8	
13,150.0	86.53	354.54	12,437.2	170.3	-678.9	1.25	-0.36	1.20	20.4	-39.5	
13,175.0	87.16	357.91	12,438.5	195.2	-680.5	13.68	2.52	13.48	21.6	-38.1	
13,200.0	87.41	359.25	12,439.7	220.2	-681.2	5.45	1.00	5.36	22.8	-37.7	
13,225.0	87.81	359.73	12,440.8	245.2	-681.4	2.50	1.60	1.92	23.8	-37.6	
13,250.0	87.96	0.07	12,441.7	270.1	-681.4	1.49	0.60	1.36	24.7	-37.7	
13,275.0	88.28	0.29	12,442.5	295.1	-681.3	1.55	1.28	0.88	25.5	-37.9	
13,300.0	89.28	359.94	12,443.0	320.1	-681.3	4.24	4.00	-1.40	26.1	-38.1	
13,325.0	90.00	359.24	12,443.2	345.1	-681.5	4.02	2.88	-2.80	26.2	-38.1	
13,350.0	90.21	359.42	12,443.2	370.1	-681.8	1.11	0.84	0.72	26.2	-38.0	
13,375.0	91.10	359.91	12,442.9	395.1	-681.9	4.06	3.56	1.96	25.9	-38.0	
13,400.0	90.63	359.75	12,442.5	420.1	-682.0	1.99	-1.88	-0.64	25.5	-38.1	
13,425.0	89.73	359.35	12,442.4	445.1	-682.2	3.94	-3.60	-1.60	25.4	-38.1	
13,450.0	88.32	358.37	12,442.8	470.1	-682.7	6.87	-5.64	-3.92	25.9	-37.7	
13,475.0	86.13	357.65	12,444.1	495.0	-683.5	9.22	-8.76	-2.88	27.1	-37.0	
13,500.0	84.90	357.76	12,446.0	520.0	-684.5	4.94	-4.92	0.44	29.0	-36.2	



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #804H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey											
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)	
13,525.0	84.68	357.76	12,448.3	544.8	-685.5	0.88	-0.88	0.00	31.3	-35.4	
13,550.0	85.52	357.79	12,450.4	569.7	-686.5	3.36	3.36	0.12	33.4	-34.6	
13,575.0	85.45	357.93	12,452.4	594.6	-687.4	0.62	-0.28	0.56	35.4	-33.8	
13,600.0	89.31	1.43	12,453.5	619.6	-687.6	20.83	15.44	14.00	36.6	-33.8	
13,625.0	93.02	5.24	12,453.0	644.5	-686.1	21.27	14.84	15.24	36.2	-35.3	
13,650.0	94.20	6.87	12,451.4	669.3	-683.5	8.04	4.72	6.52	34.8	-37.9	
13,675.0	93.33	6.76	12,449.8	694.1	-680.5	3.51	-3.48	-0.44	33.1	-41.1	
13,700.0	89.88	4.47	12,449.1	719.0	-678.1	16.56	-13.80	-9.16	32.2	-43.9	
13,725.0	89.96	2.98	12,449.1	743.9	-676.4	5.97	0.32	-5.96	32.2	-45.7	
13,750.0	88.12	0.99	12,449.6	768.9	-675.6	10.84	-7.36	-7.96	32.5	-46.8	
13,775.0	88.58	0.95	12,450.3	793.9	-675.1	1.85	1.84	-0.16	33.3	-47.3	
13,800.0	89.08	1.57	12,450.8	818.9	-674.6	3.19	2.00	2.48	33.8	-48.0	
13,825.0	87.31	359.85	12,451.6	843.9	-674.3	9.87	-7.08	-6.88	34.6	-48.5	
13,850.0	86.58	358.77	12,452.9	868.8	-674.6	5.21	-2.92	-4.32	35.9	-48.4	
13,875.0	86.75	357.46	12,454.4	893.8	-675.4	5.28	0.68	-5.24	37.4	-47.7	
13,900.0	86.21	356.91	12,455.9	918.7	-676.6	3.08	-2.16	-2.20	39.0	-46.6	
13,925.0	86.49	356.91	12,457.5	943.6	-678.0	1.12	1.12	0.00	40.6	-45.4	
13,950.0	87.30	356.96	12,458.8	968.5	-679.3	3.25	3.24	0.20	41.9	-44.2	
13,975.0	88.86	357.98	12,459.7	993.5	-680.4	7.45	6.24	4.08	42.7	-43.3	
14,000.0	91.04	359.07	12,459.7	1,018.5	-681.1	9.75	8.72	4.36	42.7	-42.9	
14,025.0	91.65	359.30	12,459.1	1,043.5	-681.4	2.61	2.44	0.92	42.1	-42.7	
14,050.0	90.85	359.27	12,458.6	1,068.5	-681.7	3.20	-3.20	-0.12	41.6	-42.5	
14,075.0	88.81	359.30	12,458.6	1,093.5	-682.0	8.16	-8.16	0.12	41.7	-42.3	
14,100.0	89.23	0.07	12,459.1	1,118.5	-682.2	3.51	1.68	3.08	42.1	-42.4	
14,125.0	90.10	0.96	12,459.2	1,143.5	-682.0	4.98	3.48	3.56	42.2	-42.7	
14,150.0	89.60	0.76	12,459.3	1,168.4	-681.6	2.15	-2.00	-0.80	42.3	-43.3	
14,175.0	89.14	0.35	12,459.6	1,193.4	-681.3	2.46	-1.84	-1.64	42.6	-43.7	



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well WC #604H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3387.0usft
Site:	Streelcar 15 Fed	MD Reference:	KB = 25' @ 3387.0usft
Well:	WC #604H	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)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
14,200.0	90.28	0.52	12,459.7	1,218.4	-681.1	4.61	4.56	0.68	42.7	-44.0	
14,225.0	90.99	0.67	12,459.4	1,243.4	-680.9	2.90	2.84	0.60	42.4	-44.5	
14,250.0	91.69	0.98	12,458.8	1,268.4	-680.5	3.06	2.80	1.24	41.9	-45.0	
14,275.0	91.23	1.30	12,458.2	1,293.4	-680.0	2.24	-1.84	1.28	41.2	-45.8	
14,300.0	89.94	0.73	12,457.9	1,318.4	-679.6	5.64	-5.16	-2.28	41.0	-46.2	
14,325.0	90.34	0.35	12,457.9	1,343.4	-679.4	2.21	1.60	-1.52	40.9	-46.6	
14,350.0	89.68	359.92	12,457.9	1,368.4	-679.3	3.15	-2.64	-1.72	40.9	-46.9	
14,375.0	87.55	359.04	12,458.5	1,393.4	-679.5	9.22	-8.52	-3.52	41.5	-46.8	
14,400.0	87.65	359.24	12,459.5	1,418.4	-679.9	0.89	0.40	0.80	42.5	-46.6	
14,425.0	88.25	359.57	12,460.4	1,443.4	-680.2	2.74	2.40	1.32	43.4	-46.5	
14,450.0	88.01	359.44	12,461.2	1,468.3	-680.4	1.09	-0.96	-0.52	44.2	-46.4	
14,475.0	87.63	359.36	12,462.2	1,493.3	-680.6	1.55	-1.52	-0.32	45.2	-46.3	
14,500.0	87.30	359.30	12,463.3	1,518.3	-680.9	1.34	-1.32	-0.24	46.3	-46.2	
14,525.0	88.14	359.41	12,464.3	1,543.3	-681.2	3.39	3.36	0.44	47.3	-46.1	
14,550.0	89.60	359.50	12,464.8	1,568.3	-681.4	5.85	5.84	0.36	47.8	-46.0	
14,575.0	91.73	359.27	12,464.5	1,593.3	-681.7	8.57	8.52	-0.92	47.5	-45.9	
14,600.0	92.61	359.41	12,463.5	1,618.2	-682.0	3.56	3.52	0.56	46.5	-45.8	
14,625.0	93.08	359.43	12,462.3	1,643.2	-682.3	1.88	1.88	0.08	45.3	-45.7	
14,650.0	92.27	359.31	12,461.1	1,668.2	-682.5	3.28	-3.24	-0.48	44.1	-45.6	
14,675.0	92.64	359.24	12,460.0	1,693.2	-682.8	1.51	1.48	-0.28	43.0	-45.4	
14,700.0	93.45	359.34	12,458.7	1,718.1	-683.2	3.26	3.24	0.40	41.7	-45.3	
14,725.0	93.08	359.48	12,457.3	1,743.1	-683.4	1.58	-1.48	0.56	40.3	-45.2	
14,750.0	92.06	359.25	12,456.2	1,768.1	-683.7	4.18	-4.08	-0.92	39.2	-45.0	
14,775.0	92.29	359.27	12,455.2	1,793.0	-684.0	0.92	0.92	0.08	38.2	-44.9	
14,800.0	92.85	359.27	12,454.1	1,818.0	-684.3	2.24	2.24	0.00	37.1	-44.7	
14,825.0	90.92	359.02	12,453.3	1,843.0	-684.7	7.78	-7.72	-1.00	36.3	-44.5	
14,850.0	89.46	358.48	12,453.2	1,868.0	-685.2	6.23	-5.84	-2.16	36.2	-44.1	



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #804H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #804H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey										
MD (usft)	Inc (")	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,875.0	89.39	358.27	12,453.5	1,893.0	-686.0	0.89	-0.28	-0.84	36.5	-43.5
14,900.0	89.81	358.25	12,453.6	1,918.0	-686.7	1.68	1.68	-0.08	36.7	-42.9
14,925.0	90.36	358.73	12,453.6	1,942.9	-687.4	2.92	2.20	1.92	36.6	-42.5
14,950.0	89.05	359.00	12,453.7	1,967.9	-687.9	5.35	-5.24	1.08	36.7	-42.1
14,975.0	87.38	358.81	12,454.5	1,992.9	-688.3	6.72	-6.68	-0.76	37.5	-41.8
15,000.0	87.88	358.98	12,455.5	2,017.9	-688.8	2.11	2.00	0.68	38.5	-41.5
15,025.0	88.47	359.48	12,456.3	2,042.9	-689.2	3.09	2.36	2.00	39.3	-41.3
15,050.0	88.65	359.56	12,457.0	2,067.9	-689.4	0.79	0.72	0.32	40.0	-41.3
15,075.0	89.05	359.42	12,457.5	2,092.9	-689.6	1.70	1.60	-0.56	40.5	-41.2
15,100.0	89.80	359.56	12,457.7	2,117.9	-689.8	3.05	3.00	0.56	40.7	-41.1
15,125.0	89.91	359.60	12,457.8	2,142.9	-690.0	0.47	0.44	0.16	40.8	-41.1
15,150.0	90.52	359.71	12,457.7	2,167.9	-690.1	2.48	2.44	0.44	40.7	-41.1
15,175.0	91.19	359.80	12,457.3	2,192.9	-690.3	2.70	2.68	0.36	40.3	-41.2
15,200.0	89.33	359.32	12,457.2	2,217.9	-690.4	7.68	-7.44	-1.92	40.2	-41.1
15,225.0	88.89	359.18	12,457.6	2,242.9	-690.8	1.85	-1.76	-0.56	40.6	-41.0
15,250.0	88.98	359.55	12,458.0	2,267.8	-691.1	1.52	0.36	1.48	41.1	-40.9
15,275.0	89.03	0.02	12,458.5	2,292.8	-691.1	1.89	0.20	1.88	41.5	-40.9
15,300.0	88.82	0.39	12,458.9	2,317.8	-691.1	1.70	-0.84	1.48	42.0	-41.2
15,325.0	89.07	0.92	12,459.4	2,342.8	-690.8	2.34	1.00	2.12	42.4	-41.6
15,350.0	90.14	1.80	12,459.6	2,367.8	-690.2	5.54	4.28	3.52	42.6	-42.4
15,375.0	91.15	2.42	12,459.3	2,392.8	-689.3	4.74	4.04	2.48	42.4	-43.4
15,400.0	91.38	2.78	12,458.7	2,417.8	-688.1	1.71	0.92	1.44	41.8	-44.7
15,425.0	91.18	3.31	12,458.2	2,442.7	-686.8	2.27	-0.80	2.12	41.3	-46.2
15,450.0	91.26	3.85	12,457.7	2,467.7	-685.2	2.18	0.32	2.16	40.8	-47.9
15,475.0	91.47	3.01	12,457.1	2,492.6	-683.7	3.46	0.84	-3.36	40.2	-49.5
15,500.0	90.94	1.65	12,456.5	2,517.6	-682.7	5.84	-2.12	-5.44	39.6	-50.8
15,525.0	90.70	1.94	12,456.2	2,542.6	-681.9	1.51	-0.96	1.16	39.2	-51.7



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #604H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well WC #604H
KB = 25' @ 3387.0usft
KB = 25' @ 3387.0usft
Grid
Minimum Curvature
EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Bulld (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,550.0	91.25	2.44	12,455.8	2,567.6	-681.0	2.97	2.20	2.00	38.8	-52.8
15,575.0	89.69	0.28	12,455.5	2,592.6	-680.4	10.66	-6.24	-6.64	38.6	-53.6
15,600.0	88.35	358.48	12,456.0	2,617.5	-680.7	8.98	-5.36	-7.20	39.0	-53.5
15,625.0	88.17	357.94	12,456.7	2,642.5	-681.4	2.28	-0.72	-2.16	39.8	-52.8
15,650.0	88.39	357.41	12,457.5	2,667.5	-682.5	2.29	0.88	-2.12	40.5	-52.0
15,675.0	88.42	356.96	12,458.2	2,692.4	-683.7	1.80	0.12	-1.80	41.2	-50.9
15,700.0	88.16	356.73	12,458.9	2,717.4	-685.1	1.39	-1.04	-0.92	42.0	-49.7
15,725.0	87.17	356.46	12,459.9	2,742.3	-686.5	4.10	-3.96	-1.08	43.0	-48.3
15,750.0	87.38	356.85	12,461.1	2,767.3	-688.0	1.77	0.84	1.56	44.2	-47.0
15,775.0	87.42	357.44	12,462.3	2,792.2	-689.2	2.36	0.16	2.36	45.3	-46.0
15,800.0	87.35	357.69	12,463.4	2,817.2	-690.3	1.04	-0.28	1.00	46.4	-45.1
15,825.0	87.67	357.86	12,464.5	2,842.1	-691.3	1.45	1.28	0.88	47.5	-44.3
15,850.0	88.62	358.39	12,465.3	2,867.1	-692.1	4.35	3.80	2.12	48.3	-43.6
15,875.0	91.07	358.70	12,465.4	2,892.1	-692.7	9.88	9.80	1.24	48.4	-43.2
15,900.0	92.30	358.95	12,464.6	2,917.1	-693.2	5.02	4.92	1.00	47.6	-42.9
15,925.0	92.77	359.18	12,463.5	2,942.0	-693.6	2.09	1.88	0.92	46.5	-42.6
15,950.0	91.75	359.70	12,462.5	2,967.0	-693.9	4.58	-4.08	2.08	45.5	-42.5
15,975.0	89.62	0.01	12,462.2	2,992.0	-694.0	8.61	-8.52	1.24	45.3	-42.6
16,000.0	89.95	1.39	12,462.3	3,017.0	-693.6	5.68	1.32	5.52	45.4	-43.0
16,025.0	90.48	2.47	12,462.2	3,042.0	-692.8	4.81	2.12	4.32	45.3	-44.0
16,050.0	89.95	1.92	12,462.2	3,067.0	-691.8	3.06	-2.12	-2.20	45.2	-45.2
16,075.0	89.61	0.79	12,462.2	3,092.0	-691.3	4.72	-1.36	-4.52	45.3	-45.9
16,100.0	89.44	0.26	12,462.5	3,117.0	-691.0	2.23	-0.68	-2.12	45.5	-46.3
16,125.0	89.04	359.98	12,462.8	3,142.0	-691.0	1.95	-1.60	-1.12	45.8	-46.5
16,150.0	89.38	359.93	12,463.1	3,167.0	-691.0	1.37	1.36	-0.20	46.1	-46.7
16,175.0	90.01	0.20	12,463.3	3,192.0	-691.0	2.74	2.52	1.08	46.3	-46.9
16,200.0	90.42	0.47	12,463.2	3,217.0	-690.8	1.96	1.64	1.08	46.2	-47.2



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well WC #604H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3387.0usft
Site:	Streeter 15 Fed	MD Reference:	KB = 25' @ 3387.0usft
Well:	WC #604H	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)	
16,225.0	90.36	0.70	12,463.0	3,242.0	-690.6	0.95	-0.24	0.92	46.0	-47.6	
16,250.0	90.52	0.80	12,462.8	3,267.0	-690.2	0.75	0.64	0.40	45.8	-48.1	
16,275.0	90.33	0.54	12,462.6	3,291.9	-689.9	1.29	-0.76	-1.04	45.6	-48.5	
16,300.0	89.90	0.46	12,462.6	3,316.9	-689.7	1.75	-1.72	-0.32	45.6	-48.9	
16,325.0	90.16	0.50	12,462.6	3,341.9	-689.5	1.05	1.04	0.16	45.6	-49.3	
16,350.0	90.49	0.52	12,462.4	3,366.9	-689.3	1.32	1.32	0.08	45.4	-49.6	
16,375.0	90.49	0.55	12,462.2	3,391.9	-689.1	0.12	0.00	0.12	45.2	-50.0	
16,400.0	90.41	0.53	12,462.0	3,416.9	-688.8	0.33	-0.32	-0.08	45.0	-50.4	
16,425.0	90.33	0.21	12,461.8	3,441.9	-688.7	1.32	-0.32	-1.28	44.9	-50.8	
16,450.0	88.53	359.64	12,462.1	3,466.9	-688.7	7.55	-7.20	-2.28	45.1	-50.9	
16,475.0	88.00	359.41	12,462.9	3,491.9	-688.9	2.31	-2.12	-0.92	45.8	-50.8	
16,500.0	88.23	359.51	12,463.7	3,516.9	-689.1	1.00	0.82	0.40	46.7	-50.8	
16,525.0	88.91	359.84	12,464.3	3,541.9	-689.3	3.02	2.72	1.32	47.3	-50.8	
16,550.0	89.68	0.18	12,464.6	3,566.9	-689.3	3.37	3.08	1.36	47.6	-50.9	
16,575.0	91.02	0.66	12,464.5	3,591.9	-689.1	5.69	5.36	1.92	47.5	-51.3	
16,600.0	92.13	0.82	12,463.8	3,616.9	-688.8	4.49	4.44	0.64	46.8	-51.8	
16,625.0	90.21	358.95	12,463.3	3,641.9	-688.8	10.72	-7.68	-7.48	46.3	-51.9	
16,650.0	89.13	357.79	12,463.4	3,666.9	-689.5	6.34	-4.32	-4.64	46.4	-51.3	
16,675.0	89.14	357.77	12,463.8	3,691.8	-690.5	0.09	0.04	-0.08	46.8	-50.5	
16,700.0	89.47	357.84	12,464.1	3,716.8	-691.5	1.35	1.32	0.28	47.1	-49.7	
16,725.0	89.76	357.82	12,464.2	3,741.8	-692.4	1.16	1.16	-0.08	47.3	-48.9	
16,750.0	89.52	357.76	12,464.4	3,766.8	-693.4	0.99	-0.96	-0.24	47.4	-48.1	
16,775.0	89.72	357.52	12,464.6	3,791.8	-694.4	1.25	0.80	-0.96	47.6	-47.2	
16,800.0	90.01	357.14	12,464.6	3,816.7	-695.6	1.91	1.16	-1.52	47.7	-46.2	
16,825.0	90.65	357.19	12,464.5	3,841.7	-696.8	2.57	2.56	0.20	47.5	-45.2	
16,850.0	91.04	357.20	12,464.1	3,866.7	-698.0	1.56	1.56	0.04	47.1	-44.1	
16,875.0	91.12	356.99	12,463.6	3,891.6	-699.3	0.90	0.32	-0.84	46.6	-43.0	



Midland PVA



Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Streetcar 15 Fed
Well: WC #604H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well WC #604H
TVD Reference: KB = 25' @ 3387.0usft
MD Reference: KB = 25' @ 3387.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14

Survey											
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)	
16,900.0	89.62	357.94	12,463.5	3,916.6	-700.4	7.10	-6.00	3.80	46.5	-42.1	
16,925.0	88.15	358.77	12,464.0	3,941.6	-701.1	6.75	-5.88	3.32	47.0	-41.5	
16,950.0	88.94	359.18	12,464.6	3,966.6	-701.6	3.56	3.16	1.64	47.6	-41.2	
16,975.0	90.12	359.48	12,464.8	3,991.6	-701.9	4.87	4.72	1.20	47.8	-41.1	
17,000.0	90.07	359.74	12,464.8	4,016.6	-702.0	1.06	-0.20	1.04	47.8	-41.1	
17,025.0	90.25	0.21	12,464.7	4,041.6	-702.0	2.01	0.72	1.88	47.7	-41.2	
17,050.0	90.29	0.38	12,464.6	4,066.6	-701.9	0.70	0.16	0.68	47.6	-41.5	
17,075.0	90.56	0.31	12,464.4	4,091.6	-701.8	1.12	1.08	-0.28	47.4	-41.8	
17,100.0	89.49	0.02	12,464.4	4,116.6	-701.7	4.43	-4.28	-1.16	47.4	-42.1	
17,125.0	89.14	0.37	12,464.7	4,141.6	-701.6	1.98	-1.40	1.40	47.7	-42.3	
17,150.0	89.20	0.77	12,465.0	4,166.6	-701.4	1.62	0.24	1.60	48.0	-42.7	
17,175.0	89.52	1.00	12,465.3	4,191.6	-701.0	1.58	1.28	0.92	48.3	-43.3	
17,200.0	89.66	1.03	12,465.5	4,216.6	-700.5	0.57	0.56	0.12	48.5	-43.9	
17,225.0	88.76	0.75	12,465.8	4,241.6	-700.1	3.77	-3.60	-1.12	48.8	-44.4	
17,250.0	88.99	0.65	12,466.3	4,266.5	-699.8	1.00	0.92	-0.40	49.3	-44.9	
17,275.0	89.64	0.87	12,466.6	4,291.5	-699.5	2.74	2.60	0.88	49.6	-45.4	
17,300.0	89.87	0.86	12,466.7	4,316.5	-699.1	0.92	0.92	-0.04	49.7	-45.9	
17,325.0	90.06	1.07	12,466.8	4,341.5	-698.7	1.13	0.76	0.84	49.8	-46.5	
17,350.0	90.32	1.42	12,466.7	4,366.5	-698.2	1.74	1.04	1.40	49.7	-47.2	
17,375.0	90.45	1.44	12,466.5	4,391.5	-697.5	0.53	0.52	0.08	49.5	-48.0	
17,385.0	90.40	1.48	12,466.4	4,401.6	-697.3	0.64	-0.50	0.40	49.5	-48.3	
Last Gyro Survey (MD = 17385.0)											
17,388.0	90.40	1.48	12,466.4	4,404.6	-697.2	0.00	0.00	0.00	49.4	-48.4	
Projection to Bit (MD = 17388.0)											



Midland PVA



Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well WC #804H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25' @ 3387.0usft
Site:	Streeter 15 Fed	MD Reference:	KB = 25' @ 3387.0usft
Well:	WC #804H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
11,975.0	11,898.6	-716.5	-696.7	KOP 11975.0' MD; 11898.6' TVD; -716.5'; -696.7'; 2.46
12,547.2	12,336.3	-408.3	-662.6	FTP Crossing 12547.2' MD; 12336.3' TVD; -408.3'; -662.6'; 63.07
17,385.0	12,466.4	4,401.6	-697.3	Last Gyro Survey (MD = 17385.0)
17,388.0	12,466.4	4,404.6	-697.2	Projection to Bit (MD = 17388.0)

Checked By: _____	Approved By: _____	Date: _____
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HOBBS OCD
SEP 24 2018
RECEIVED



Lea County, NM (NAD 83 NME)

Streetcar 15 Fed WC #604H

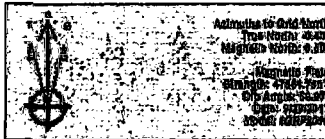
Plan #3

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: WC #604H

KB = 25° @ 3357.0ust 3382.0
Northing 410180.00 Easting 780430.00 Latitude 32° 7' 31.109 N Longitude 103° 33' 59.584 W



To convert a Magnetic Direction to a Grid Direction, Add 9.00°
To convert a Magnetic Direction to a True Direction, Add 9.01° East
To convert a True Direction to a Grid Direction, Subtract 0.01°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	1060.0	2.30	254.20	1059.6	-3.8	-25.6	0.00	0.00	0.4	
2	2001.2	2.30	254.20	2000.0	-14.1	-61.9	0.00	0.00	-3.7	
3	2412.6	10.13	223.84	2408.7	-42.5	-95.0	2.00	-38.40	-26.2	
4	7231.1	10.13	223.84	7152.1	-653.8	-682.1	0.00	0.00	-531.9	
5	7737.6	0.00	0.00	7656.0	-686.0	-713.0	2.00	180.00	-558.5	Brushy Top(Streetcar 15 Fed WC #604H)
6	12021.1	0.00	0.00	11939.5	-686.0	-713.0	0.00	0.00	-558.5	
7	12771.1	90.00	359.63	12417.0	-208.5	-716.1	12.00	359.63	-67.1	
8	17292.8	90.00	359.63	12417.0	4313.0	-745.0	0.00	0.00	4376.8	PBHL (Streetcar 15 Fed WC #604H)
9	17422.8	90.00	359.63	12417.0	4443.0	-745.8	0.00	0.00	4505.2	

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(Streetcar 15 Fed WC #604H)	7656.0	-686.0	-713.0	409494.00	776717.00
PBHL (Streetcar 15 Fed WC #604H)	12417.0	4313.0	-745.0	414493.00	776885.00
FTP (Streetcar 15 Fed WC #604H)	12417.0	-408.0	-713.0	409774.00	776717.00

