

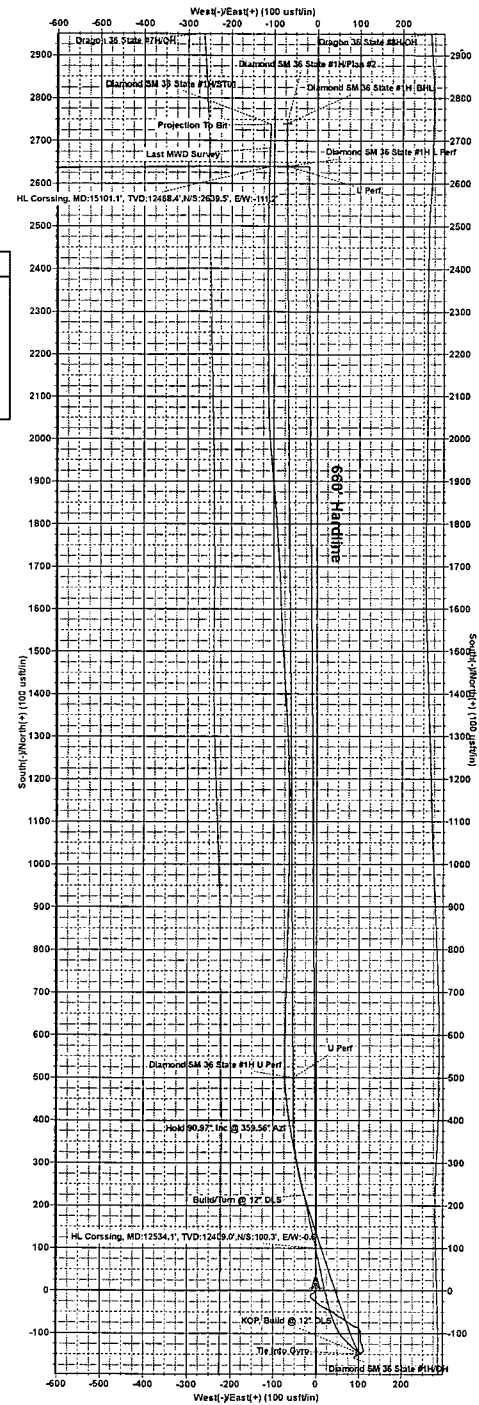
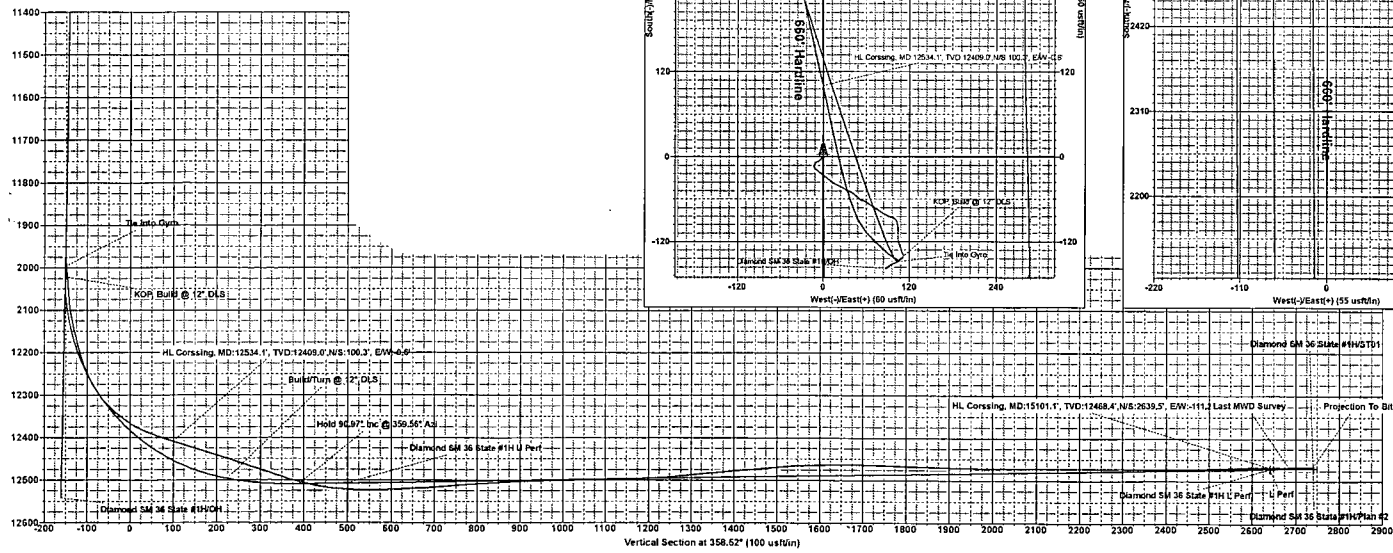
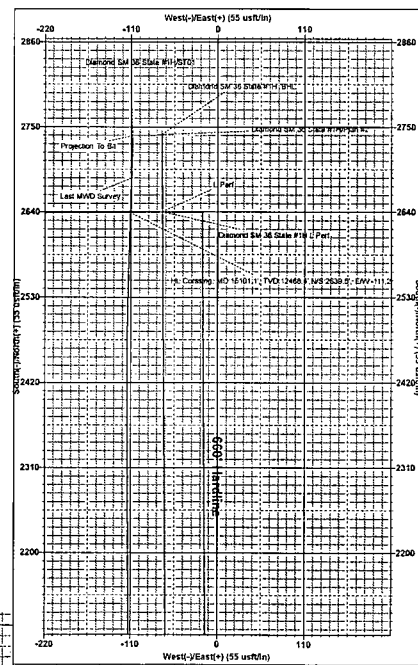
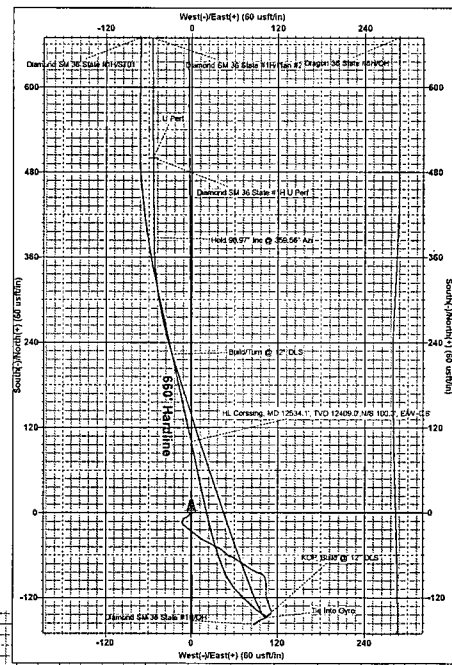
Lea County, NM
Diamond SM 36 State #1H
3485' GL + 24' KB
Plan #2

PROJECT DETAILS: Lea County, NM
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: Diamond SM 36 State #1H			
Ground Level:	3485.0		
Northing	427287.00	Easting	751919.00
		Latitude	32° 10' 19.592 N
		Longitude	103° 31' 8.994 W

SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+NI-S	+EI-W	Dleg	TFace	VSect	Target	Annotation
1	12000.0	2.04	233.45	11997.1	-147.9	104.7	0.00	0.00	-150.6		Tie Into Gyro
2	12024.8	2.22	237.24	12021.9	-148.5	104.0	0.92	39.85	-151.1		KOP, Build @ 12° DLS
3	12896.5	80.00	342.74	12496.8	223.9	-27.5	12.00	105.87	224.5		Build/Turn @ 12° DLS
4	12863.3	90.97	359.56	12510.0	387.3	-52.8	12.00	57.69	388.6		Hold 90.97° Inc @ 359.56° Azi
5	15216.3	90.97	359.56	12470.0	2740.0	-71.0	0.00	0.00	2740.9		TD 15216.33' MD; 12470.00' TVD

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+NI-S	+EI-W	Northing	Easting	Shape
Diamond SM 36 State #1H BHL	12470.0	2740.0	-71.0	430027.00	751848.00	Point
Diamond SM 36 State #1H L Perf	12471.7	2640.0	-70.0	429927.00	751848.00	Point
Diamond SM 36 State #1H U Perf	12507.1	500.0	-53.0	427787.00	751866.00	Point





EOG Resources - Midland

Lea County, NM

Diamond SM 36 State

Diamond SM 36 State #1H

ST01

Design: ST01

Standard Survey Report

06 June, 2014



EOG Resources, Inc.

Survey Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well Diamond SM 36 State #1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3509.0usft (3485' GL + 24' KB)
Site:	Diamond SM 36 State	MD Reference:	WELL @ 3509.0usft (3485' GL + 24' KB)
Well:	Diamond SM 36 State #1H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM		
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	Diamond SM 36 State				
Site Position:		Northing:	427,287.00 usft	Latitude:	32° 10' 19.592 N
From:	Map	Easting:	751,919.00 usft	Longitude:	103° 31' 8.994 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.43 °

Well	Diamond SM 36 State #1H					
Well Position	+N/-S	0.0 usft	Northing:	427,287.00 usft	Latitude:	32° 10' 19.592 N
	+E/-W	0.0 usft	Easting:	751,919.00 usft	Longitude:	103° 31' 8.994 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,485.0 usft

Wellbore	ST01				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF201014	5/16/2014	7.20	60.07	48,298

Design	ST01			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 11,900.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	358.52

Survey Program	Date	6/6/2014			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	11,900.0	Scientific Gyro (OH)	CT_GYRO_MS	Continuous Gyro Multishot	
11,985.0	15,200.0	Driltech MWD #1 (ST01)	MWD	MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.24	209.06	100.0	-0.2	-0.1	-0.2	0.24	0.24	0.00	
200.0	0.12	219.61	200.0	-0.4	-0.3	-0.4	0.12	-0.12	10.55	
300.0	0.13	223.16	300.0	-0.6	-0.4	-0.6	0.01	0.01	3.55	
400.0	0.19	230.56	400.0	-0.8	-0.6	-0.8	0.06	0.06	7.40	
500.0	0.20	232.88	500.0	-1.0	-0.9	-1.0	0.01	0.01	2.32	
600.0	0.06	219.30	600.0	-1.2	-1.1	-1.1	0.14	-0.14	-13.58	
700.0	0.08	232.73	700.0	-1.2	-1.1	-1.2	0.03	0.02	13.43	
800.0	0.10	233.14	800.0	-1.3	-1.3	-1.3	0.02	0.02	0.41	
900.0	0.05	236.44	900.0	-1.4	-1.4	-1.4	0.05	-0.05	3.30	



EOG Resources, Inc.

Survey Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well Diamond SM 36 State #1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3509.0usft (3485' GL + 24' KB)
Site:	Diamond SM 36 State	MD Reference:	WELL @ 3509.0usft (3485' GL + 24' KB)
Well:	Diamond SM 36 State #1H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,000.0	0.13	304.05	1,000.0	-1.4	-1.5	-1.3	0.12	0.08	67.61
1,100.0	0.08	238.96	1,100.0	-1.3	-1.7	-1.3	0.12	-0.05	-65.09
1,200.0	0.09	271.87	1,200.0	-1.4	-1.8	-1.3	0.05	0.01	32.91
1,300.0	0.11	252.33	1,300.0	-1.4	-2.0	-1.4	0.04	0.02	-19.54
1,400.0	0.11	240.11	1,400.0	-1.5	-2.1	-1.4	0.02	0.00	-12.22
1,500.0	0.19	212.01	1,500.0	-1.7	-2.3	-1.6	0.11	0.08	-28.10
1,600.0	0.31	196.81	1,600.0	-2.1	-2.5	-2.0	0.14	0.12	-15.20
1,700.0	0.23	207.23	1,700.0	-2.5	-2.7	-2.4	0.09	-0.08	10.42
1,800.0	0.25	205.15	1,800.0	-2.9	-2.8	-2.8	0.02	0.02	-2.08
1,900.0	0.23	211.39	1,900.0	-3.2	-3.0	-3.2	0.03	-0.02	6.24
2,000.0	0.26	215.98	2,000.0	-3.6	-3.3	-3.5	0.04	0.03	4.59
2,100.0	0.27	213.88	2,100.0	-4.0	-3.5	-3.9	0.01	0.01	-2.10
2,200.0	0.34	234.77	2,200.0	-4.3	-3.9	-4.2	0.13	0.07	20.89
2,300.0	0.38	226.72	2,300.0	-4.7	-4.4	-4.6	0.06	0.04	-8.05
2,400.0	0.56	227.39	2,400.0	-5.3	-5.0	-5.2	0.18	0.18	0.67
2,500.0	0.63	232.06	2,500.0	-6.0	-5.8	-5.8	0.09	0.07	4.67
2,600.0	0.53	238.02	2,600.0	-6.6	-6.6	-6.4	0.12	-0.10	5.96
2,700.0	0.56	243.44	2,700.0	-7.0	-7.4	-6.8	0.06	0.03	5.42
2,800.0	0.58	233.40	2,800.0	-7.5	-8.3	-7.3	0.10	0.02	-10.04
2,900.0	0.55	238.77	2,900.0	-8.1	-9.1	-7.9	0.06	-0.03	5.37
3,000.0	0.57	234.18	3,000.0	-8.6	-9.9	-8.4	0.05	0.02	-4.59
3,100.0	0.44	241.81	3,100.0	-9.1	-10.7	-8.8	0.15	-0.13	7.63
3,200.0	0.48	217.55	3,199.9	-9.6	-11.3	-9.3	0.20	0.04	-24.26
3,300.0	0.34	218.78	3,299.9	-10.2	-11.7	-9.9	0.14	-0.14	1.23
3,400.0	0.35	191.16	3,399.9	-10.7	-11.9	-10.4	0.16	0.01	-27.62
3,500.0	0.25	200.54	3,499.9	-11.2	-12.1	-10.9	0.11	-0.10	9.38
3,600.0	0.15	200.38	3,599.9	-11.5	-12.2	-11.2	0.10	-0.10	-0.16
3,700.0	0.28	188.98	3,699.9	-11.9	-12.3	-11.6	0.14	0.13	-11.40
3,800.0	0.26	206.72	3,799.9	-12.4	-12.4	-12.0	0.09	-0.02	17.74
3,900.0	0.33	210.23	3,899.9	-12.8	-12.7	-12.5	0.07	0.07	3.51
4,000.0	0.47	178.35	3,999.9	-13.5	-12.8	-13.1	0.26	0.14	-31.88
4,100.0	0.43	190.86	4,099.9	-14.2	-12.9	-13.9	0.11	-0.04	12.51
4,200.0	0.44	176.73	4,199.9	-15.0	-12.9	-14.7	0.11	0.01	-14.13
4,300.0	0.47	146.98	4,299.9	-15.7	-12.7	-15.4	0.24	0.03	-29.75
4,400.0	0.69	139.24	4,399.9	-16.5	-12.0	-16.2	0.23	0.22	-7.74
4,500.0	0.86	134.16	4,499.9	-17.5	-11.1	-17.2	0.18	0.17	-5.08
4,600.0	1.04	127.35	4,599.9	-18.6	-9.9	-18.3	0.21	0.18	-6.81
4,700.0	1.25	134.97	4,699.9	-19.9	-8.4	-19.7	0.26	0.21	7.62
4,800.0	1.30	119.60	4,799.9	-21.2	-6.6	-21.0	0.34	0.05	-15.37
4,900.0	1.76	130.79	4,899.8	-22.8	-4.5	-22.7	0.55	0.46	11.19
5,000.0	1.86	129.65	4,999.8	-24.8	-2.0	-24.8	0.11	0.10	-1.14
5,100.0	1.59	127.98	5,099.7	-26.7	0.3	-26.7	0.27	-0.27	-1.67
5,200.0	1.61	126.92	5,199.7	-28.4	2.5	-28.5	0.04	0.02	-1.06



EOG Resources, Inc.

Survey Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well Diamond SM 36 State #1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3509.0usft (3485' GL + 24' KB)
Site:	Diamond SM 36 State	MD Reference:	WELL @ 3509.0usft (3485' GL + 24' KB)
Well:	Diamond SM 36 State #1H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	1.57	128.35	5,299.6	-30.1	4.7	-30.2	0.06	-0.04	1.43
5,400.0	1.72	128.47	5,399.6	-31.9	7.0	-32.1	0.15	0.15	0.12
5,500.0	1.67	128.57	5,499.6	-33.7	9.3	-34.0	0.05	-0.05	0.10
5,600.0	1.62	126.91	5,599.5	-35.5	11.5	-35.8	0.07	-0.05	-1.66
5,700.0	1.78	125.57	5,699.5	-37.2	13.9	-37.6	0.16	0.16	-1.34
5,800.0	1.08	111.88	5,799.4	-38.5	16.1	-38.9	0.77	-0.70	-13.69
5,900.0	1.08	116.76	5,899.4	-39.3	17.8	-39.7	0.09	0.00	4.88
6,000.0	1.05	117.68	5,999.4	-40.1	19.4	-40.6	0.03	-0.03	0.92
6,100.0	1.13	114.82	6,099.4	-41.0	21.2	-41.5	0.10	0.08	-2.86
6,200.0	1.14	115.53	6,199.4	-41.8	22.9	-42.4	0.02	0.01	0.71
6,300.0	1.21	121.95	6,299.3	-42.8	24.7	-43.4	0.15	0.07	6.42
6,400.0	1.14	122.89	6,399.3	-43.9	26.5	-44.6	0.07	-0.07	0.94
6,500.0	1.15	115.08	6,499.3	-44.9	28.2	-45.6	0.16	0.01	-7.81
6,600.0	1.16	119.93	6,599.3	-45.8	30.0	-46.5	0.10	0.01	4.85
6,700.0	1.19	117.62	6,699.3	-46.8	31.8	-47.6	0.06	0.03	-2.31
6,800.0	1.15	117.92	6,799.2	-47.7	33.6	-48.6	0.04	-0.04	0.30
6,900.0	1.13	121.19	6,899.2	-48.7	35.3	-49.6	0.07	-0.02	3.27
7,000.0	1.09	116.71	6,999.2	-49.6	37.0	-50.6	0.10	-0.04	-4.48
7,100.0	1.09	117.20	7,099.2	-50.5	38.7	-51.5	0.01	0.00	0.49
7,200.0	1.08	118.08	7,199.2	-51.4	40.4	-52.4	0.02	-0.01	0.88
7,300.0	1.24	127.36	7,299.2	-52.5	42.1	-53.6	0.25	0.16	9.28
7,400.0	1.27	127.84	7,399.1	-53.8	43.8	-54.9	0.03	0.03	0.48
7,500.0	1.31	133.71	7,499.1	-55.3	45.5	-56.5	0.14	0.04	5.87
7,600.0	1.38	129.78	7,599.1	-56.9	47.3	-58.1	0.12	0.07	-3.93
7,700.0	1.59	134.70	7,699.0	-58.6	49.2	-59.9	0.25	0.21	4.92
7,800.0	1.44	138.00	7,799.0	-60.5	51.0	-61.8	0.17	-0.15	3.30
7,900.0	0.85	98.83	7,899.0	-61.6	52.6	-62.9	0.95	-0.59	-39.17
8,000.0	0.83	101.23	7,999.0	-61.8	54.0	-63.2	0.04	-0.02	2.40
8,100.0	0.86	104.58	8,099.0	-62.1	55.5	-63.6	0.06	0.03	3.35
8,200.0	0.88	112.14	8,199.0	-62.6	56.9	-64.1	0.12	0.02	7.56
8,300.0	0.96	116.66	8,298.9	-63.3	58.4	-64.8	0.11	0.08	4.52
8,400.0	1.14	123.99	8,398.9	-64.2	59.9	-65.7	0.22	0.18	7.33
8,500.0	1.47	127.03	8,498.9	-65.5	61.8	-67.1	0.34	0.33	3.04
8,600.0	1.72	126.16	8,598.9	-67.2	64.0	-68.8	0.25	0.25	-0.87
8,700.0	1.71	122.76	8,698.8	-68.9	66.5	-70.6	0.10	-0.01	-3.40
8,800.0	1.66	120.37	8,798.8	-70.4	69.0	-72.2	0.09	-0.05	-2.39
8,900.0	1.74	123.57	8,898.7	-72.0	71.5	-73.8	0.12	0.08	3.20
9,000.0	1.79	119.74	8,998.7	-73.6	74.1	-75.5	0.13	0.05	-3.83
9,100.0	1.98	125.93	9,098.6	-75.4	76.9	-77.4	0.28	0.19	6.19
9,200.0	2.27	125.58	9,198.6	-77.6	79.9	-79.6	0.29	0.29	-0.35
9,300.0	2.35	124.12	9,298.5	-79.9	83.2	-82.0	0.10	0.08	-1.46
9,400.0	1.93	116.97	9,398.4	-81.8	86.4	-84.0	0.50	-0.42	-7.15
9,500.0	2.07	117.88	9,498.3	-83.4	89.5	-85.7	0.14	0.14	0.91



EOG Resources, Inc.

Survey Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well Diamond SM 36 State #1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3509.0usft (3485' GL + 24' KB)
Site:	Diamond SM 36 State	MD Reference:	WELL @ 3509.0usft (3485' GL + 24' KB)
Well:	Diamond SM 36 State #1H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,600.0	2.01	108.41	9,598.3	-84.8	92.8	-87.2	0.34	-0.06	-9.47
9,700.0	2.07	107.78	9,698.2	-85.9	96.1	-88.4	0.06	0.06	-0.63
9,800.0	1.68	120.42	9,798.2	-87.2	99.1	-89.7	0.57	-0.39	12.64
9,900.0	1.69	148.54	9,898.1	-89.2	101.2	-91.8	0.82	0.01	28.12
10,000.0	1.70	159.53	9,998.1	-91.8	102.5	-94.5	0.32	0.01	10.99
10,100.0	1.98	161.84	10,098.0	-94.9	103.5	-97.5	0.29	0.28	2.31
10,200.0	2.16	176.83	10,198.0	-98.4	104.2	-101.1	0.57	0.18	14.99
10,300.0	2.24	180.65	10,297.9	-102.2	104.2	-104.9	0.17	0.08	3.82
10,400.0	2.51	177.91	10,397.8	-106.4	104.3	-109.0	0.29	0.27	-2.74
10,500.0	2.61	181.14	10,497.7	-110.8	104.3	-113.5	0.18	0.10	3.23
10,600.0	2.34	178.35	10,597.6	-115.2	104.3	-117.8	0.30	-0.27	-2.79
10,700.0	2.03	167.88	10,697.5	-118.9	104.8	-121.6	0.50	-0.31	-10.47
10,800.0	1.91	159.50	10,797.5	-122.2	105.7	-124.9	0.31	-0.12	-8.38
10,900.0	2.06	159.97	10,897.4	-125.5	106.9	-128.2	0.15	0.15	0.47
11,000.0	1.90	165.38	10,997.4	-128.8	108.0	-131.5	0.25	-0.16	5.41
11,100.0	1.70	156.38	11,097.3	-131.7	109.0	-134.5	0.35	-0.20	-9.00
11,200.0	1.50	165.49	11,197.3	-134.4	109.9	-137.2	0.32	-0.20	9.11
11,300.0	1.39	159.11	11,297.2	-136.8	110.7	-139.6	0.19	-0.11	-6.38
11,400.0	1.44	164.12	11,397.2	-139.1	111.4	-141.9	0.13	0.05	5.01
11,500.0	0.69	176.96	11,497.2	-140.9	111.8	-143.8	0.78	-0.75	12.84
11,600.0	0.83	217.36	11,597.2	-142.1	111.4	-144.9	0.54	0.14	40.40
11,700.0	0.82	220.47	11,697.2	-143.2	110.5	-146.0	0.05	-0.01	3.11
11,800.0	1.35	228.72	11,797.2	-144.5	109.1	-147.3	0.55	0.53	8.25
11,900.0	1.50	233.25	11,897.1	-146.1	107.2	-148.8	0.19	0.15	4.53
11,985.0	1.95	247.95	11,982.1	-147.3	105.0	-150.0	0.74	0.53	17.29
12,101.0	14.40	311.70	12,096.8	-138.4	92.3	-140.7	11.77	10.73	54.96
12,149.0	18.50	311.60	12,142.8	-129.4	82.2	-131.5	8.54	8.54	-0.21
12,197.0	20.90	315.10	12,188.0	-118.2	70.4	-120.0	5.57	5.00	7.29
12,240.0	22.30	319.10	12,228.0	-106.6	59.7	-108.2	4.72	3.26	9.30
12,289.0	30.80	333.50	12,271.8	-88.3	47.9	-89.6	21.65	17.35	29.39
12,336.0	40.10	342.50	12,310.1	-63.1	38.0	-64.0	22.65	19.79	19.15
12,383.0	49.30	345.00	12,343.5	-31.3	28.8	-32.1	19.93	19.57	5.32
12,428.0	60.40	347.10	12,369.3	4.3	20.0	3.8	24.96	24.67	4.67
12,477.0	68.40	348.10	12,390.5	47.4	10.5	47.2	16.43	16.33	2.04
12,525.0	73.00	348.10	12,406.3	91.8	1.2	91.7	9.58	9.58	0.00
12,534.1	72.96	348.01	12,409.0	100.3	-0.6	100.3	1.08	-0.42	-1.04
HL Corssing, MD:12534.1', TVD:12409.0', N/S:100.3', E/W:-0.6'									
12,573.0	72.80	347.60	12,420.5	136.6	-8.5	136.8	1.08	-0.42	-1.04
12,620.0	72.00	347.60	12,434.7	180.4	-18.1	180.8	1.70	-1.70	0.00
12,668.0	72.00	347.80	12,449.5	225.0	-27.8	225.6	0.40	0.00	0.42
12,716.0	71.40	347.40	12,464.6	269.5	-37.6	270.4	1.48	-1.25	-0.83
12,764.0	70.90	347.60	12,480.1	313.8	-47.4	314.9	1.11	-1.04	0.42
12,811.0	71.80	349.50	12,495.1	357.5	-56.3	358.8	4.28	1.91	4.04
12,858.0	76.50	351.80	12,507.9	402.1	-63.6	403.6	11.05	10.00	4.89



EOG Resources, Inc.

Survey Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well Diamond SM 36 State #1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3509.0usft (3485' GL + 24' KB)
Site:	Diamond SM 36 State	MD Reference:	WELL @ 3509.0usft (3485' GL + 24' KB)
Well:	Diamond SM 36 State #1H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,905.0	80.90	353.80	12,517.1	447.8	-69.4	449.4	10.25	9.36	4.26	
12,954.0	88.00	358.10	12,521.9	496.4	-72.8	498.1	16.92	14.49	8.78	
12,985.0	89.90	0.80	12,522.5	527.4	-73.1	529.1	10.65	6.13	8.71	
13,049.0	89.20	0.10	12,523.0	591.4	-72.6	593.1	1.55	-1.09	-1.09	
13,144.0	96.20	1.80	12,518.5	686.2	-71.0	687.8	7.58	7.37	1.79	
13,240.0	93.80	1.50	12,510.1	781.8	-68.3	783.3	2.52	-2.50	-0.31	
13,335.0	92.70	1.30	12,504.7	876.6	-65.9	878.0	1.18	-1.16	-0.21	
13,430.0	90.80	0.60	12,501.8	971.5	-64.4	972.9	2.13	-2.00	-0.74	
13,525.0	91.50	359.90	12,499.9	1,066.5	-64.0	1,067.8	1.04	0.74	-0.74	
13,620.0	91.10	359.70	12,497.8	1,161.5	-64.3	1,162.8	0.47	-0.42	-0.21	
13,715.0	96.10	358.50	12,491.8	1,256.3	-65.8	1,257.5	5.41	5.26	-1.26	
13,811.0	94.30	357.30	12,483.1	1,351.8	-69.3	1,353.1	2.25	-1.88	-1.25	
13,906.0	95.90	356.40	12,474.7	1,446.3	-74.5	1,447.7	1.93	1.68	-0.95	
14,001.0	93.80	357.10	12,466.6	1,540.8	-79.8	1,542.3	2.33	-2.21	0.74	
14,096.0	90.10	358.30	12,463.4	1,635.6	-83.7	1,637.2	4.09	-3.89	1.26	
14,192.0	88.00	356.40	12,465.0	1,731.5	-88.1	1,733.2	2.95	-2.19	-1.98	
14,288.0	88.30	355.90	12,468.1	1,827.2	-94.5	1,829.1	0.61	0.31	-0.52	
14,384.0	88.50	354.80	12,470.8	1,922.9	-102.3	1,924.9	1.16	0.21	-1.15	
14,479.0	90.40	356.20	12,471.7	2,017.6	-109.8	2,019.7	2.48	2.00	1.47	
14,574.0	90.10	359.60	12,471.3	2,112.5	-113.2	2,114.7	3.59	-0.32	3.58	
14,669.0	89.70	359.70	12,471.4	2,207.5	-113.8	2,209.7	0.43	-0.42	0.11	
14,764.0	89.20	359.60	12,472.3	2,302.5	-114.4	2,304.7	0.54	-0.53	-0.11	
14,860.0	89.90	359.70	12,473.1	2,398.5	-115.0	2,400.6	0.74	0.73	0.10	
14,954.0	92.40	0.80	12,471.2	2,492.4	-114.6	2,494.6	2.91	2.66	1.17	
15,049.0	90.40	1.50	12,468.9	2,587.4	-112.7	2,589.4	2.23	-2.11	0.74	
15,101.1	90.62	1.66	12,468.4	2,639.5	-111.2	2,641.5	0.52	0.42	0.31	
HL Corssing, MD:15101.1', TVD:12468.4', N/S:2639.5', E/W:-111.2'										
15,145.0	90.80	1.80	12,467.9	2,683.3	-109.9	2,685.3	0.52	0.42	0.31	
Last MWD Survey										
15,200.0	90.80	1.80	12,467.1	2,738.3	-108.2	2,740.2	0.00	0.00	0.00	
Projection To Bit										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
12,534.1	12,409.0	100.3	-0.6	HL Corssing, MD:12534.1', TVD:12409.0', N/S:100.3', E/W:-0.6'	
15,101.1	12,468.4	2,639.5	-111.2	HL Corssing, MD:15101.1', TVD:12468.4', N/S:2639.5', E/W:-111.2'	
15,145.0	12,467.9	2,683.3	-109.9	Last MWD Survey	
15,200.0	12,467.1	2,738.3	-108.2	Projection To Bit	

Checked By: _____	Approved By: _____	Date: _____
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