

30-025-39701



EOG Resources, Inc.

Lea County

Lomas Rojas "26" State Com

#2H

OH

RECEIVED

MAR 08 2010

HOBBSOCD

Plan: Plan #3

Pathfinder X & Y Planning Report

26 February, 2010

PATHFINDER

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 3353.40ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	WELL @ 3353.40ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	Midland Database

Project: Lea County	
Map System:	US State Plane 1927 (Exact solution)
Geo Datum:	NAD 1927 (NADCON CONUS)
Map Zone:	New Mexico East 3001
System Datum:	Mean Sea Level

Site		Lomas Rojas "26" State Com			
Site Position:		Northing:		403,802.800 ft	
From:	Map	Easting:		742,610.100 ft	
Position Uncertainty:		Slot Radius:		"	
0.00 ft				Latitude: 32° 6' 27.886 N	
				Longitude: 103° 32' 59.279 W	
				Grid Convergence: 0.42 °	

Well		#2H				
Well Position	+N/-S	0.00 ft	Northing:	399,191.200 ft	Latitude:	32° 5' 42.146 N
	+E/-W	0.00 ft	Easting:	744,065.700 ft	Longitude:	103° 32' 42.749 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,334.40 ft

Wellbore:		OH			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	09/28/2009	7.76	60.13	48,742

Design		Plan #3		
Audit Notes:				
Version:		Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	358.32

Survey Tool Program		Date 02/26/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00'	13,842.86	Plan #3 (OH)	MWD	MWD - Standard



Pathfinder

Pathfinder X & Y Planning Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 3353.40ft. (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	WELL @ 3353.40ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	Midland Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
0.00	0.00	0.00	0.00	-3,353.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
100.00	0.00	0.00	100.00	-3,253.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
200.00	0.00	0.00	200.00	-3,153.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
300.00	0.00	0.00	300.00	-3,053.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
400.00	0.00	0.00	400.00	-2,953.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
500.00	0.00	0.00	500.00	-2,853.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
600.00	0.00	0.00	600.00	-2,753.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
700.00	0.00	0.00	700.00	-2,653.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
800.00	0.00	0.00	800.00	-2,553.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
900.00	0.00	0.00	900.00	-2,453.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
1,000.00	0.00	0.00	1,000.00	-2,353.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
1,100.00	0.00	0.00	1,100.00	-2,253.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
1,200.00	0.00	0.00	1,200.00	-2,153.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
1,300.00	0.00	0.00	1,300.00	-2,053.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
1,400.00	0.00	0.00	1,400.00	-1,953.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
1,500.00	0.00	0.00	1,500.00	-1,853.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
1,600.00	0.00	0.00	1,600.00	-1,753.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
1,700.00	0.00	0.00	1,700.00	-1,653.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
1,800.00	0.00	0.00	1,800.00	-1,553.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
1,900.00	0.00	0.00	1,900.00	-1,453.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
2,000.00	0.00	0.00	2,000.00	-1,353.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
2,100.00	0.00	0.00	2,100.00	-1,253.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
2,200.00	0.00	0.00	2,200.00	-1,153.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
2,300.00	0.00	0.00	2,300.00	-1,053.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
2,400.00	0.00	0.00	2,400.00	-953.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
2,500.00	0.00	0.00	2,500.00	-853.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70
2,600.00	0.00	0.00	2,600.00	-753.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70



Pathfinder Pathfinder X & Y Planning Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 3353 40ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	WELL @ 3353 40ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
2,700.00	0.00	0.00	2,700.00	-653.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
2,800.00	0.00	0.00	2,800.00	-553.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
2,900.00	0.00	0.00	2,900.00	-453.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
3,000.00	0.00	0.00	3,000.00	-353.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
3,100.00	0.00	0.00	3,100.00	-253.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
3,200.00	0.00	0.00	3,200.00	-153.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
3,300.00	0.00	0.00	3,300.00	-53.40	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
3,400.00	0.00	0.00	3,400.00	46.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
3,500.00	0.00	0.00	3,500.00	146.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
3,600.00	0.00	0.00	3,600.00	246.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
3,700.00	0.00	0.00	3,700.00	346.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
3,800.00	0.00	0.00	3,800.00	446.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
3,900.00	0.00	0.00	3,900.00	546.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
4,000.00	0.00	0.00	4,000.00	646.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
4,100.00	0.00	0.00	4,100.00	746.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
4,200.00	0.00	0.00	4,200.00	846.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
4,300.00	0.00	0.00	4,300.00	946.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
4,400.00	0.00	0.00	4,400.00	1,046.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
4,500.00	0.00	0.00	4,500.00	1,146.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
4,600.00	0.00	0.00	4,600.00	1,246.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
4,700.00	0.00	0.00	4,700.00	1,346.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
4,800.00	0.00	0.00	4,800.00	1,446.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
4,900.00	0.00	0.00	4,900.00	1,546.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
5,000.00	0.00	0.00	5,000.00	1,646.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
5,100.00	0.00	0.00	5,100.00	1,746.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
5,200.00	0.00	0.00	5,200.00	1,846.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
5,300.00	0.00	0.00	5,300.00	1,946.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	



Pathfinder Pathfinder X & Y Planning Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 3353.40ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	WELL @ 3353.40ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
5,400.00	0.00	0.00	5,400.00	2,046.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
5,500.00	0.00	0.00	5,500.00	2,146.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
5,600.00	0.00	0.00	5,600.00	2,246.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
5,700.00	0.00	0.00	5,700.00	2,346.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
5,800.00	0.00	0.00	5,800.00	2,446.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
5,900.00	0.00	0.00	5,900.00	2,546.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
6,000.00	0.00	0.00	6,000.00	2,646.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
6,100.00	0.00	0.00	6,100.00	2,746.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
6,200.00	0.00	0.00	6,200.00	2,846.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
6,300.00	0.00	0.00	6,300.00	2,946.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
6,400.00	0.00	0.00	6,400.00	3,046.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
6,500.00	0.00	0.00	6,500.00	3,146.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
6,600.00	0.00	0.00	6,600.00	3,246.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
6,700.00	0.00	0.00	6,700.00	3,346.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
6,800.00	0.00	0.00	6,800.00	3,446.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
6,900.00	0.00	0.00	6,900.00	3,546.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
7,000.00	0.00	0.00	7,000.00	3,646.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
7,100.00	0.00	0.00	7,100.00	3,746.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
7,200.00	0.00	0.00	7,200.00	3,846.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
7,300.00	0.00	0.00	7,300.00	3,946.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
7,400.00	0.00	0.00	7,400.00	4,046.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
7,500.00	0.00	0.00	7,500.00	4,146.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
7,600.00	0.00	0.00	7,600.00	4,246.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
7,700.00	0.00	0.00	7,700.00	4,346.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
7,800.00	0.00	0.00	7,800.00	4,446.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
7,900.00	0.00	0.00	7,900.00	4,546.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	
8,000.00	0.00	0.00	8,000.00	4,646.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70	



Pathfinder

Pathfinder X & Y Planning Report



Company: EOG Resources, Inc.
 Project: Lea County
 Site: Lomas Rojas "26" State Com
 Well: #2H
 Wellbore: OH
 Design: Plan #3

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:
 Well #2H
 WELL @ 3353.40ft (Original Well Elev)
 WELL @ 3353.40ft (Original Well Elev)
 Grid:
 Minimum Curvature
 Midland Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
8,100.00	0 00	0.00	8,100.00	4,746.60	0.00	0.00	0.00	0 00	399,191.20	744,065.70
8,200.00	0.00	0.00	8,200.00	4,846.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70
8,300.00	0.00	0.00	8,300.00	4,946.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70
8,400.00	0.00	0.00	8,400.00	5,046.60	0.00	0.00	0.00	0 00	399,191.20	744,065.70
8,500.00	0.00	0.00	8,500.00	5,146.60	0.00	0.00	0.00	0 00	399,191.20	744,065.70
8,600.00	0.00	0.00	8,600.00	5,246.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70
8,700.00	0.00	0.00	8,700.00	5,346.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70
8,800.00	0.00	0.00	8,800.00	5,446.60	0.00	0.00	0.00	0.00	399,191.20	744,065.70
8,900.00	0.00	0.00	8,900.00	5,546.60	0.00	0.00	0.00	0 00	399,191.20	744,065.70
8,948.00	0 00	0.00	8,948.00	5,594.60	0.00	0.00	0.00	0 00	399,191.20	744,065.70
Start Build 12.01										
8,950.00	0 24	358.32	8,950.00	5,596.60	0.00	0.00	0.00	12.01	399,191.20	744,065.70
8,975.00	3 24	358.32	8,974.99	5,621.59	0.76	-0.02	0.76	12.01	399,191.96	744,065.68
9,000.00	6.25	358.32	8,999.90	5,646.50	2.83	-0.08	2.83	12.01	399,194.03	744,065.62
9,025.00	9.25	358.32	9,024.67	5,671.27	6.20	-0.18	6.20	12.01	399,197.40	744,065.52
9,050.00	12.25	358.32	9,049.22	5,695.82	10.86	-0.32	10.86	12.01	399,202.06	744,065.38
9,075.00	15.25	358.32	9,073.51	5,720.11	16.80	-0.49	16.80	12.01	399,208.00	744,065.21
9,100.00	18.25	358.32	9,097.44	5,744.04	24.00	-0.70	24.01	12.01	399,215.20	744,065.00
9,125.00	21.26	358.32	9,120.97	5,767.57	32.45	-0.95	32.46	12.01	399,223.65	744,064.75
9,150.00	24.26	358.32	9,144.02	5,790.62	42.11	-1.24	42.13	12.01	399,233.31	744,064.46
9,175.00	27.26	358.32	9,166.53	5,813.13	52.97	-1.55	52.99	12.01	399,244.17	744,064.15
9,200.00	30.26	358.32	9,188.44	5,835.04	64.99	-1.91	65.02	12.01	399,256.19	744,063.79
9,225.00	33.27	358.32	9,209.70	5,856.30	78.15	-2.29	78.18	12.01	399,269.35	744,063.41
9,250.00	36.27	358.32	9,230.23	5,876.83	92.40	-2.71	92.44	12.01	399,283.60	744,062.99
9,275.00	39.27	358.32	9,249.99	5,896.59	107.70	-3.16	107.75	12.01	399,298.90	744,062.54
9,300.00	42.27	358.32	9,268.92	5,915.52	124.02	-3.64	124.07	12.01	399,315.22	744,062.06
9,325.00	45.28	358.32	9,286.97	5,933.57	141.31	-4.14	141.37	12.01	399,332.51	744,061.56



Pathfinder

Pathfinder X & Y Planning Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 3353.40ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	WELL @ 3353.40ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	Midland Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
9,350.00	48.28	358.32	9,304.09	5,950.69	159.51	-4.68	159.58	12.01	399,350.71	744,061.02
9,375.00	51.28	358.32	9,320.23	5,966.83	178.59	-5.24	178.67	12.01	399,369.79	744,060.46
9,400.00	54.28	358.32	9,335.35	5,981.95	198.49	-5.82	198.58	12.01	399,389.69	744,059.88
9,425.00	57.29	358.32	9,349.40	5,996.00	219.15	-6.43	219.25	12.01	399,410.35	744,059.27
9,450.00	60.29	358.32	9,362.36	6,008.96	240.52	-7.05	240.63	12.01	399,431.72	744,058.65
9,475.00	63.29	358.32	9,374.17	6,020.77	262.54	-7.70	262.66	12.01	399,453.74	744,058.00
9,500.00	66.29	358.32	9,384.82	6,031.42	285.15	-8.36	285.27	12.01	399,476.35	744,057.34
9,525.00	69.30	358.32	9,394.27	6,040.87	308.28	-9.04	308.42	12.01	399,499.48	744,056.66
9,550.00	72.30	358.32	9,402.49	6,049.09	331.88	-9.73	332.02	12.01	399,523.08	744,055.97
9,575.00	75.30	358.32	9,409.46	6,056.06	355.87	-10.44	356.03	12.01	399,547.07	744,055.26
9,600.00	78.30	358.32	9,415.17	6,061.77	380.20	-11.15	380.36	12.01	399,571.40	744,054.55
9,625.00	81.31	358.32	9,419.59	6,066.19	404.79	-11.87	404.97	12.01	399,595.99	744,053.83
9,650.00	84.31	358.32	9,422.72	6,069.32	429.58	-12.60	429.77	12.01	399,620.78	744,053.10
9,675.00	87.31	358.32	9,424.55	6,071.15	454.50	-13.33	454.70	12.01	399,645.70	744,052.37
9,689.06	89.00	358.32	9,425.00	6,071.60	468.55	-13.74	468.75	12.01	399,659.75	744,051.96
Start 4154.48 hold at 9689.06 MD										
9,700.00	89.00	358.32	9,425.19	6,071.79	479.48	-14.06	479.69	0.00	399,670.68	744,051.64
9,800.00	89.00	358.32	9,426.94	6,073.54	579.42	-16.99	579.67	0.00	399,770.62	744,048.71
9,900.00	89.00	358.32	9,428.68	6,075.28	679.36	-19.93	679.66	0.00	399,870.56	744,045.77
10,000.00	89.00	358.32	9,430.43	6,077.03	779.31	-22.86	779.64	0.00	399,970.51	744,042.84
10,100.00	89.00	358.32	9,432.17	6,078.77	879.25	-25.79	879.63	0.00	400,070.45	744,039.91
10,200.00	89.00	358.32	9,433.92	6,080.52	979.19	-28.72	979.61	0.00	400,170.39	744,036.98
10,300.00	89.00	358.32	9,435.66	6,082.26	1,079.13	-31.65	1,079.60	0.00	400,270.33	744,034.05
10,400.00	89.00	358.32	9,437.41	6,084.01	1,179.07	-34.58	1,179.58	0.00	400,370.27	744,031.12
10,500.00	89.00	358.32	9,439.15	6,085.75	1,279.02	-37.51	1,279.57	0.00	400,470.22	744,028.19
10,600.00	89.00	358.32	9,440.90	6,087.50	1,378.96	-40.44	1,379.55	0.00	400,570.16	744,025.26
10,700.00	89.00	358.32	9,442.64	6,089.24	1,478.90	-43.38	1,479.54	0.00	400,670.10	744,022.32



Pathfinder

Pathfinder X & Y Planning Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 3353.40ft (Original Well Elev)
Site:	Lomas Rojas "26". State Com	MD Reference:	WELL @ 3353.40ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
10,800.00	89.00	358.32	9,444.39	6,090.99	1,578.84	-46.31	1,579.52	0.00	400,770.04	744,019.39	
10,900.00	89.00	358.32	9,446.13	6,092.73	1,678.78	-49.24	1,679.50	0.00	400,869.98	744,016.46	
11,000.00	89.00	358.32	9,447.88	6,094.48	1,778.72	-52.17	1,779.49	0.00	400,969.92	744,013.53	
11,100.00	89.00	358.32	9,449.62	6,096.22	1,878.67	-55.10	1,879.47	0.00	401,069.87	744,010.60	
11,200.00	89.00	358.32	9,451.37	6,097.97	1,978.61	-58.03	1,979.46	0.00	401,169.81	744,007.67	
11,300.00	89.00	358.32	9,453.11	6,099.71	2,078.55	-60.96	2,079.44	0.00	401,269.75	744,004.74	
11,400.00	89.00	358.32	9,454.86	6,101.46	2,178.49	-63.90	2,179.43	0.00	401,369.69	744,001.80	
11,500.00	89.00	358.32	9,456.61	6,103.21	2,278.43	-66.83	2,279.41	0.00	401,469.63	743,998.87	
11,600.00	89.00	358.32	9,458.35	6,104.95	2,378.38	-69.76	2,379.40	0.00	401,569.58	743,995.94	
11,700.00	89.00	358.32	9,460.10	6,106.70	2,478.32	-72.69	2,479.38	0.00	401,669.52	743,993.01	
11,800.00	89.00	358.32	9,461.84	6,108.44	2,578.26	-75.62	2,579.37	0.00	401,769.46	743,990.08	
11,900.00	89.00	358.32	9,463.59	6,110.19	2,678.20	-78.55	2,679.35	0.00	401,869.40	743,987.15	
12,000.00	89.00	358.32	9,465.33	6,111.93	2,778.14	-81.48	2,779.34	0.00	401,969.34	743,984.22	
12,100.00	89.00	358.32	9,467.08	6,113.68	2,878.08	-84.41	2,879.32	0.00	402,069.28	743,981.29	
12,200.00	89.00	358.32	9,468.82	6,115.42	2,978.03	-87.35	2,979.31	0.00	402,169.23	743,978.35	
12,300.00	89.00	358.32	9,470.57	6,117.17	3,077.97	-90.28	3,079.29	0.00	402,269.17	743,975.42	
12,400.00	89.00	358.32	9,472.31	6,118.91	3,177.91	-93.21	3,179.28	0.00	402,369.11	743,972.49	
12,500.00	89.00	358.32	9,474.06	6,120.66	3,277.85	-96.14	3,279.26	0.00	402,469.05	743,969.56	
12,600.00	89.00	358.32	9,475.80	6,122.40	3,377.79	-99.07	3,379.25	0.00	402,568.99	743,966.63	
12,700.00	89.00	358.32	9,477.55	6,124.15	3,477.73	-102.00	3,479.23	0.00	402,668.93	743,963.70	
12,800.00	89.00	358.32	9,479.29	6,125.89	3,577.68	-104.93	3,579.22	0.00	402,768.88	743,960.77	
12,900.00	89.00	358.32	9,481.04	6,127.64	3,677.62	-107.86	3,679.20	0.00	402,868.82	743,957.84	
13,000.00	89.00	358.32	9,482.78	6,129.38	3,777.56	-110.80	3,779.18	0.00	402,968.76	743,954.90	
13,100.00	89.00	358.32	9,484.53	6,131.13	3,877.50	-113.73	3,879.17	0.00	403,068.70	743,951.97	
13,200.00	89.00	358.32	9,486.27	6,132.87	3,977.44	-116.66	3,979.15	0.00	403,168.64	743,949.04	
13,300.00	89.00	358.32	9,488.02	6,134.62	4,077.39	-119.59	4,079.14	0.00	403,268.59	743,946.11	
13,400.00	89.00	358.32	9,489.76	6,136.36	4,177.33	-122.52	4,179.12	0.00	403,368.53	743,943.18	

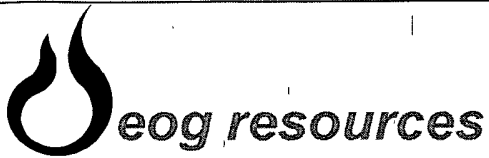
Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 3353.40ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	WELL @ 3353.40ft (Original Well Elev)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3	Database:	Midland Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
13,500.00	89.00	358.32	9,491.51	6,138.11	4,277.27	-125.45	4,279.11	0.00	403,468.47	743,940.25
13,600.00	89.00	358.32	9,493.26	6,139.86	4,377.21	-128.38	4,379.09	0.00	403,568.41	743,937.32
13,700.00	89.00	358.32	9,495.00	6,141.60	4,477.15	-131.31	4,479.08	0.00	403,668.35	743,934.39
13,800.00	89.00	358.32	9,496.75	6,143.35	4,577.09	-134.25	4,579.06	0.00	403,768.29	743,931.45
13,842.27	89.00	358.32	9,497.48	6,144.08	4,619.34	-135.48	4,621.32	0.00	403,810.54	743,930.22
PBHL(LORO#2)										
13,843.53	89.00	358.32	9,497.51	6,144.11	4,620.60	-135.52	4,622.59	0.00	403,811.80	743,930.18
TD at 13843.53										

Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	
PBHL(LORO#2)	- plan misses target center by 72.49ft at 13842.27ft MD (9497.48 TVD, 4619.34 N, -135.48 E)	0.00	0.00	9,425.00	4,620.60	-135.60	403,811.800	743,930.100	Latitude Longitude
- Shape	- Point								

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
8,948.00	8,948.00	0.00	0.00	Start Build 12.01
9,689.06	9,425.00	468.55	-13.74	Start 4154.48 hold at 9689.06 MD
13,843.53	9,497.51	4,620.60	-135.52	TD at 13843.53

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------



Project: Lea County
 Site: Lomas Rojas "26" State Com
 Well: #2H
 Wellbore: OH
 Plan: #3 (#2H/OH)



Azimuths to Grid North
 True North: -0.42°
 Magnetic North: 7.34°
 Magnetic Field
 Strength: 48742.1nT
 Dip Angle: 60.13°
 Date: 09/28/2009
 Model: IGRF200510



WELL DETAILS #2H							
Ground Elevation		3334.40					
RKB Elevation		WELL @ 3353.40ft (Original Well Elev)					
Rig Name		Original Well Elev					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
0.00	0.00	399191.200	744065.700	32° 5' 42.146 N	103° 32' 42.749 W		

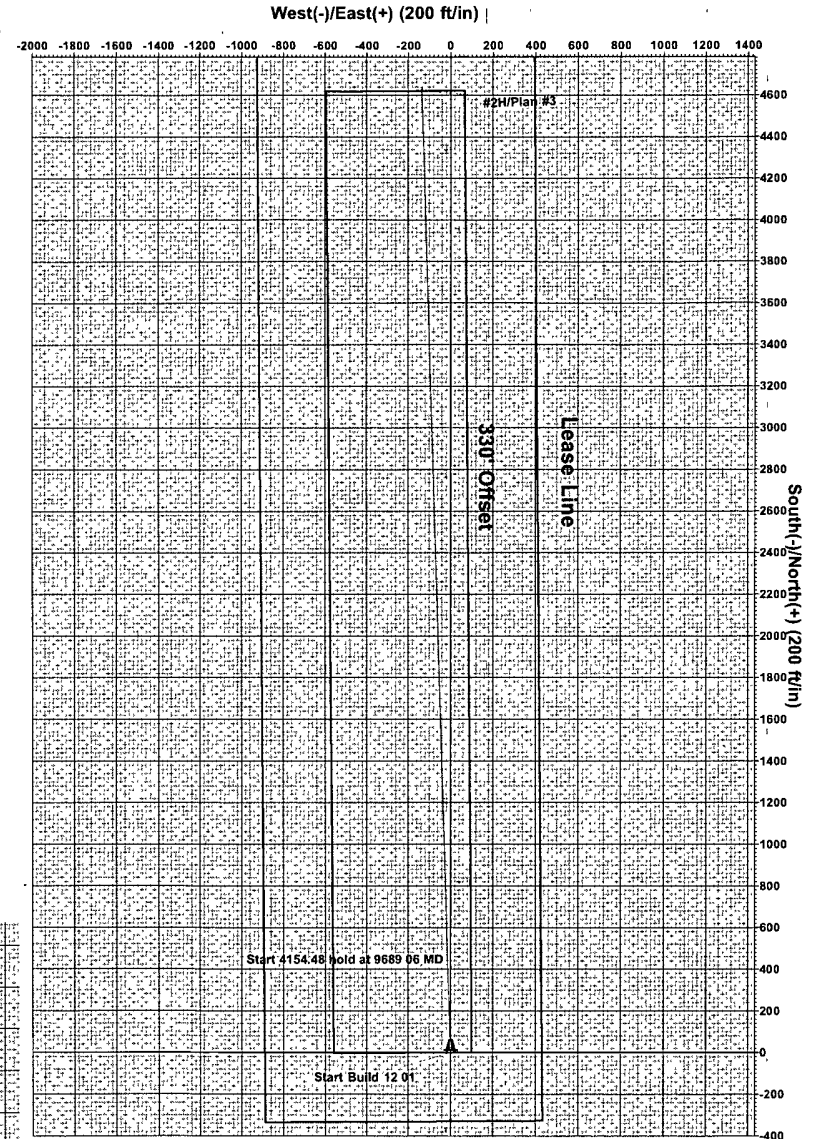
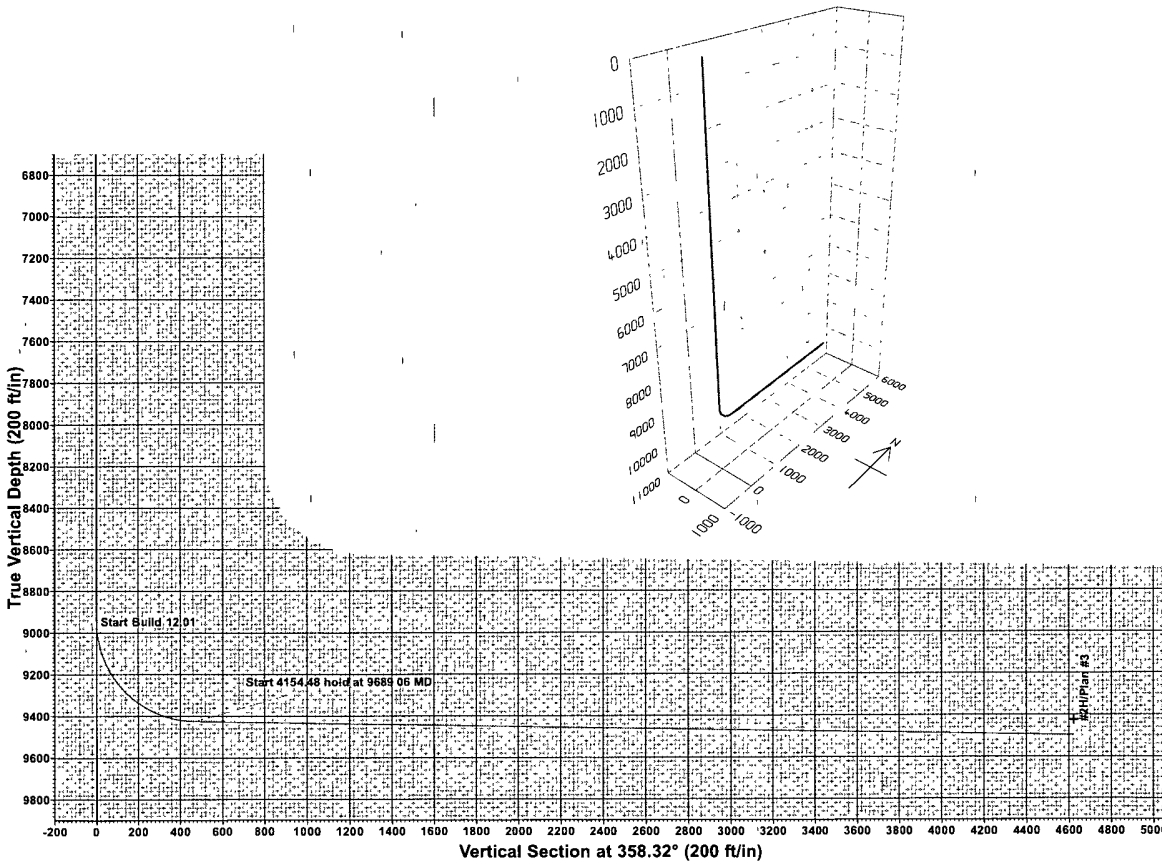
PROJECT DETAILS: Lea County
 Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico East 3001
 System Datum: Mean Sea Level
 Local North: Grid

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	8948.00	0.00	0.00	8948.00	0.00	0.00	0.00	0.00	0.00	
3	9689.06	89.00	358.32	9425.00	468.55	-13.74	12.01	358.32	468.75	
4	13843.53	89.00	358.32	9497.51	4620.60	-135.52	0.00	0.00	4622.59	PBHL(LORO#2)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL(LORO#2)	9425.00	4620.60	-135.60	403811.800	743930.100	Point

LEGEND

→ Plan #3



Plan Plan #3 (#2H/OH)

Created By: Nate Bingham Date: 10/15/2010

Checked: _____ Date: _____