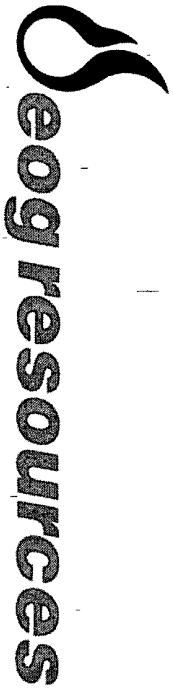


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HOBSOCD

EOG Resources, Inc.

Lea County
Lomas Rojas "26" State Com
#3H
OH

Plan: Plan #1

Pathfinder X & Y Planning Report

26 February, 2010

PATHFINDER

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #3H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3360.40ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	RKBtoGL-19' @ 3360.40ft (Original Well Elev)
Well:	#3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

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

Well		#3H				
Well Position	+N/-S	0 00 ft	Northing:	403,820.300 ft	Latitude:	32° 6' 27.873 N
	+E/-W	0 00 ft	Easting:	745,192.700 ft	Longitude:	103° 32' 29.253 W
Position Uncertainty		0 00 ft	Wellhead Elevation:	ft	Ground Level:	3,341.40 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	02/26/2010	7.71	60.13	48,710

Design: Plan #1				
Audit Notes:				
Version:		Phase: PLAN	Tie On Depth: 0 00	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	179.57

Survey Tool Program	Date:	02/26/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	13,882.31	Plan #1 (OH)	MWD	MWD - Standard



Pathfinder

Pathfinder X & Y Planning Report



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Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3360.40ft (Original Well Elev)
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Well:	#3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	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	-3,360.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
100.00	0.00	0.00	100.00	-3,260.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
200.00	0.00	0.00	200.00	-3,160.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
300.00	0.00	0.00	300.00	-3,060.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
400.00	0.00	0.00	400.00	-2,960.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
500.00	0.00	0.00	500.00	-2,860.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
600.00	0.00	0.00	600.00	-2,760.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
700.00	0.00	0.00	700.00	-2,660.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
800.00	0.00	0.00	800.00	-2,560.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
900.00	0.00	0.00	900.00	-2,460.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
1,000.00	0.00	0.00	1,000.00	-2,360.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
1,100.00	0.00	0.00	1,100.00	-2,260.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
1,200.00	0.00	0.00	1,200.00	-2,160.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
1,300.00	0.00	0.00	1,300.00	-2,060.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
1,400.00	0.00	0.00	1,400.00	-1,960.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
1,500.00	0.00	0.00	1,500.00	-1,860.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
1,600.00	0.00	0.00	1,600.00	-1,760.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
1,700.00	0.00	0.00	1,700.00	-1,660.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
1,800.00	0.00	0.00	1,800.00	-1,560.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
1,900.00	0.00	0.00	1,900.00	-1,460.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
2,000.00	0.00	0.00	2,000.00	-1,360.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
2,100.00	0.00	0.00	2,100.00	-1,260.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
2,200.00	0.00	0.00	2,200.00	-1,160.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
2,300.00	0.00	0.00	2,300.00	-1,060.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
2,400.00	0.00	0.00	2,400.00	-960.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
2,500.00	0.00	0.00	2,500.00	-860.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
2,600.00	0.00	0.00	2,600.00	-760.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70



Pathfinder Pathfinder X & Y Planning Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #3H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3360.40ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	RKBtoGL-19' @ 3360.40ft (Original Well Elev)
Well:	#3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	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	-660.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
2,800.00	0.00	0.00	2,800.00	-560.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
2,900.00	0.00	0.00	2,900.00	-460.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
3,000.00	0.00	0.00	3,000.00	-360.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
3,100.00	0.00	0.00	3,100.00	-260.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
3,200.00	0.00	0.00	3,200.00	-160.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
3,300.00	0.00	0.00	3,300.00	-60.40	0.00	0.00	0.00	0.00	403,820.30	745,192.70
3,400.00	0.00	0.00	3,400.00	39.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
3,500.00	0.00	0.00	3,500.00	139.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
3,600.00	0.00	0.00	3,600.00	239.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
3,700.00	0.00	0.00	3,700.00	339.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
3,800.00	0.00	0.00	3,800.00	439.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
3,900.00	0.00	0.00	3,900.00	539.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
4,000.00	0.00	0.00	4,000.00	639.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
4,100.00	0.00	0.00	4,100.00	739.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
4,200.00	0.00	0.00	4,200.00	839.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
4,300.00	0.00	0.00	4,300.00	939.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
4,400.00	0.00	0.00	4,400.00	1,039.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
4,500.00	0.00	0.00	4,500.00	1,139.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
4,600.00	0.00	0.00	4,600.00	1,239.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
4,700.00	0.00	0.00	4,700.00	1,339.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
4,800.00	0.00	0.00	4,800.00	1,439.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
4,900.00	0.00	0.00	4,900.00	1,539.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
5,000.00	0.00	0.00	5,000.00	1,639.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
5,100.00	0.00	0.00	5,100.00	1,739.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
5,200.00	0.00	0.00	5,200.00	1,839.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70
5,300.00	0.00	0.00	5,300.00	1,939.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70



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Well:	#3H	North Reference:	Grid
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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	2,039.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
5,500.00	0.00	0.00	5,500.00	2,139.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
5,600.00	0.00	0.00	5,600.00	2,239.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
5,700.00	0.00	0.00	5,700.00	2,339.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
5,800.00	0.00	0.00	5,800.00	2,439.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
5,900.00	0.00	0.00	5,900.00	2,539.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
6,000.00	0.00	0.00	6,000.00	2,639.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
6,100.00	0.00	0.00	6,100.00	2,739.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
6,200.00	0.00	0.00	6,200.00	2,839.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
6,300.00	0.00	0.00	6,300.00	2,939.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
6,400.00	0.00	0.00	6,400.00	3,039.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
6,500.00	0.00	0.00	6,500.00	3,139.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
6,600.00	0.00	0.00	6,600.00	3,239.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
6,700.00	0.00	0.00	6,700.00	3,339.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
6,800.00	0.00	0.00	6,800.00	3,439.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
6,900.00	0.00	0.00	6,900.00	3,539.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
7,000.00	0.00	0.00	7,000.00	3,639.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
7,100.00	0.00	0.00	7,100.00	3,739.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
7,200.00	0.00	0.00	7,200.00	3,839.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
7,300.00	0.00	0.00	7,300.00	3,939.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
7,400.00	0.00	0.00	7,400.00	4,039.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
7,500.00	0.00	0.00	7,500.00	4,139.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
7,600.00	0.00	0.00	7,600.00	4,239.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
7,700.00	0.00	0.00	7,700.00	4,339.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
7,800.00	0.00	0.00	7,800.00	4,439.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
7,900.00	0.00	0.00	7,900.00	4,539.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
8,000.00	0.00	0.00	8,000.00	4,639.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	



Pathfinder

Pathfinder X & Y Planning Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #3H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3360.40ft (Original Well Elev)
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Design:	Plan #1	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)	
8,100.00	0.00	0.00	8,100.00	4,739.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
8,200.00	0.00	0.00	8,200.00	4,839.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
8,300.00	0.00	0.00	8,300.00	4,939.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
8,400.00	0.00	0.00	8,400.00	5,039.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
8,500.00	0.00	0.00	8,500.00	5,139.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
8,600.00	0.00	0.00	8,600.00	5,239.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
8,700.00	0.00	0.00	8,700.00	5,339.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
8,800.00	0.00	0.00	8,800.00	5,439.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
8,900.00	0.00	0.00	8,900.00	5,539.60	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
8,987.61	0.00	0.00	8,987.61	5,627.21	0.00	0.00	0.00	0.00	403,820.30	745,192.70	
Start Build 12.00											
9,000.00	1.49	179.57	9,000.00	5,639.60	-0.16	0.00	0.16	12.00	403,820.14	745,192.70	
9,025.00	4.49	179.57	9,024.96	5,664.56	-1.46	0.01	1.46	12.00	403,818.84	745,192.71	
9,050.00	7.49	179.57	9,049.82	5,689.42	-4.07	0.03	4.07	12.00	403,816.23	745,192.73	
9,075.00	10.49	179.57	9,074.51	5,714.11	-7.97	0.06	7.98	12.00	403,812.33	745,192.76	
9,100.00	13.49	179.57	9,098.96	5,738.56	-13.17	0.10	13.17	12.00	403,807.13	745,192.80	
9,125.00	16.49	179.57	9,123.11	5,762.71	-19.63	0.15	19.63	12.00	403,800.67	745,192.85	
9,150.00	19.49	179.57	9,146.89	5,786.49	-27.35	0.21	27.35	12.00	403,792.95	745,192.91	
9,175.00	22.49	179.57	9,170.23	5,809.83	-36.30	0.27	36.30	12.00	403,784.00	745,192.97	
9,200.00	25.49	179.57	9,193.06	5,832.66	-46.46	0.35	46.46	12.00	403,773.84	745,193.05	
9,225.00	28.49	179.57	9,215.34	5,854.94	-57.81	0.43	57.81	12.00	403,762.49	745,193.13	
9,250.00	31.49	179.57	9,236.99	5,876.59	-70.30	0.53	70.30	12.00	403,750.00	745,193.23	
9,275.00	34.49	179.57	9,257.96	5,897.56	-83.91	0.63	83.91	12.00	403,736.39	745,193.33	
9,300.00	37.49	179.57	9,278.18	5,917.78	-98.60	0.74	98.60	12.00	403,721.70	745,193.44	
9,325.00	40.49	179.57	9,297.61	5,937.21	-114.32	0.86	114.33	12.00	403,705.98	745,193.56	
9,350.00	43.49	179.57	9,316.20	5,955.80	-131.04	0.98	131.05	12.00	403,689.26	745,193.68	
9,375.00	46.49	179.57	9,333.88	5,973.48	-148.72	1.12	148.72	12.00	403,671.58	745,193.82	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #3H
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Well:	#3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	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)
9,400.00	49.49	179.57	9,350.61	5,990.21	-167.29	1.26	167.29	12.00	403,653.01	745,193.96
9,425.00	52.49	179.57	9,366.34	6,005.94	-186.71	1.40	186.72	12.00	403,633.59	745,194.10
9,450.00	55.49	179.57	9,381.04	6,020.64	-206.93	1.55	206.94	12.00	403,613.37	745,194.25
9,475.00	58.49	179.57	9,394.66	6,034.26	-227.89	1.71	227.90	12.00	403,592.41	745,194.41
9,500.00	61.49	179.57	9,407.16	6,046.76	-249.53	1.87	249.54	12.00	403,570.77	745,194.57
9,525.00	64.49	179.57	9,418.52	6,058.12	-271.80	2.04	271.81	12.00	403,548.50	745,194.74
9,550.00	67.49	179.57	9,428.69	6,068.29	-294.64	2.21	294.65	12.00	403,525.66	745,194.91
9,575.00	70.49	179.57	9,437.65	6,077.25	-317.97	2.39	317.98	12.00	403,502.33	745,195.09
9,600.00	73.49	179.57	9,445.38	6,084.98	-341.74	2.57	341.75	12.00	403,478.56	745,195.27
9,625.00	76.49	179.57	9,451.86	6,091.46	-365.89	2.75	365.90	12.00	403,454.41	745,195.45
9,650.00	79.49	179.57	9,457.06	6,096.66	-390.33	2.93	390.35	12.00	403,429.97	745,195.63
9,675.00	82.49	179.57	9,460.98	6,100.58	-415.02	3.12	415.03	12.00	403,405.28	745,195.82
9,700.00	85.49	179.57	9,463.59	6,103.19	-439.88	3.30	439.89	12.00	403,380.42	745,196.00
9,725.00	88.49	179.57	9,464.91	6,104.51	-464.84	3.49	464.86	12.00	403,355.46	745,196.19
9,745.94	91.00	179.57	9,465.00	6,104.60	-485.78	3.65	485.80	12.00	403,334.52	745,196.35
Start 4136.36 hold at 9745.94 MD										
9,800.00	91.00	179.57	9,464.06	6,103.66	-539.83	4.05	539.85	0.00	403,280.47	745,196.75
9,900.00	91.00	179.57	9,462.31	6,101.91	-639.81	4.80	639.83	0.00	403,180.49	745,197.50
10,000.00	91.00	179.57	9,460.57	6,100.17	-739.79	5.55	739.82	0.00	403,080.51	745,198.25
10,100.00	91.00	179.57	9,458.82	6,098.42	-839.78	6.31	839.80	0.00	402,980.52	745,199.01
10,200.00	91.00	179.57	9,457.08	6,096.68	-939.76	7.06	939.79	0.00	402,880.54	745,199.76
10,300.00	91.00	179.57	9,455.33	6,094.93	-1,039.74	7.81	1,039.77	0.00	402,780.56	745,200.51
10,400.00	91.00	179.57	9,453.59	6,093.19	-1,139.72	8.56	1,139.75	0.00	402,680.58	745,201.26
10,500.00	91.00	179.57	9,451.84	6,091.44	-1,239.70	9.31	1,239.74	0.00	402,580.60	745,202.01
10,600.00	91.00	179.57	9,450.10	6,089.70	-1,339.69	10.06	1,339.72	0.00	402,480.61	745,202.76
10,700.00	91.00	179.57	9,448.35	6,087.95	-1,439.67	10.81	1,439.71	0.00	402,380.63	745,203.51
10,800.00	91.00	179.57	9,446.61	6,086.21	-1,539.65	11.56	1,539.69	0.00	402,280.65	745,204.26

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #3H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3360.40ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	RKBtoGL-19' @ 3360.40ft (Original Well Elev)
Well:	#3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	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)
10,900.00	91.00	179.57	9,444.86	6,084.46	-1,639.63	12.31	1,639.68	0.00	402,180.67	745,205.01
11,000.00	91.00	179.57	9,443.12	6,082.72	-1,739.61	13.06	1,739.66	0.00	402,080.69	745,205.76
11,100.00	91.00	179.57	9,441.37	6,080.97	-1,839.60	13.81	1,839.65	0.00	401,980.70	745,206.51
11,200.00	91.00	179.57	9,439.63	6,079.23	-1,939.58	14.56	1,939.63	0.00	401,880.72	745,207.26
11,300.00	91.00	179.57	9,437.88	6,077.48	-2,039.56	15.31	2,039.62	0.00	401,780.74	745,208.01
11,400.00	91.00	179.57	9,436.13	6,075.73	-2,139.54	16.06	2,139.60	0.00	401,680.76	745,208.76
11,500.00	91.00	179.57	9,434.39	6,073.99	-2,239.52	16.82	2,239.59	0.00	401,580.78	745,209.52
11,600.00	91.00	179.57	9,432.64	6,072.24	-2,339.51	17.57	2,339.57	0.00	401,480.79	745,210.27
11,700.00	91.00	179.57	9,430.90	6,070.50	-2,439.49	18.32	2,439.56	0.00	401,380.81	745,211.02
11,800.00	91.00	179.57	9,429.15	6,068.75	-2,539.47	19.07	2,539.54	0.00	401,280.83	745,211.77
11,900.00	91.00	179.57	9,427.41	6,067.01	-2,639.45	19.82	2,639.53	0.00	401,180.85	745,212.52
12,000.00	91.00	179.57	9,425.66	6,065.26	-2,739.43	20.57	2,739.51	0.00	401,080.87	745,213.27
12,100.00	91.00	179.57	9,423.92	6,063.52	-2,839.42	21.32	2,839.50	0.00	400,980.88	745,214.02
12,200.00	91.00	179.57	9,422.17	6,061.77	-2,939.40	22.07	2,939.48	0.00	400,880.90	745,214.77
12,300.00	91.00	179.57	9,420.43	6,060.03	-3,039.38	22.82	3,039.47	0.00	400,780.92	745,215.52
12,400.00	91.00	179.57	9,418.68	6,058.28	-3,139.36	23.57	3,139.45	0.00	400,680.94	745,216.27
12,500.00	91.00	179.57	9,416.94	6,056.54	-3,239.34	24.32	3,239.43	0.00	400,580.96	745,217.02
12,600.00	91.00	179.57	9,415.19	6,054.79	-3,339.33	25.07	3,339.42	0.00	400,480.97	745,217.77
12,700.00	91.00	179.57	9,413.45	6,053.05	-3,439.31	25.82	3,439.40	0.00	400,380.99	745,218.52
12,800.00	91.00	179.57	9,411.70	6,051.30	-3,539.29	26.57	3,539.39	0.00	400,281.01	745,219.27
12,900.00	91.00	179.57	9,409.96	6,049.56	-3,639.27	27.33	3,639.37	0.00	400,181.03	745,220.03
13,000.00	91.00	179.57	9,408.21	6,047.81	-3,739.25	28.08	3,739.36	0.00	400,081.05	745,220.78
13,100.00	91.00	179.57	9,406.47	6,046.07	-3,839.24	28.83	3,839.34	0.00	399,981.06	745,221.53
13,200.00	91.00	179.57	9,404.72	6,044.32	-3,939.22	29.58	3,939.33	0.00	399,881.08	745,222.28
13,300.00	91.00	179.57	9,402.98	6,042.58	-4,039.20	30.33	4,039.31	0.00	399,781.10	745,223.03
13,400.00	91.00	179.57	9,401.23	6,040.83	-4,139.18	31.08	4,139.30	0.00	399,681.12	745,223.78
13,500.00	91.00	179.57	9,399.48	6,039.08	-4,239.16	31.83	4,239.28	0.00	399,581.14	745,224.53

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #3H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3360.40ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	RKBtoGL-19' @ 3360.40ft (Original Well Elev)
Well:	#3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	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)
13,600.00	91.00	179.57	9,397.74	6,037.34	-4,339.15	32.58	4,339.27	0.00	399,481.15	745,225.28
13,700.00	91.00	179.57	9,395.99	6,035.59	-4,439.13	33.33	4,439.25	0.00	399,381.17	745,226.03
13,800.00	91.00	179.57	9,394.25	6,033.85	-4,539.11	34.08	4,539.24	0.00	399,281.19	745,226.78
13,881.05	91.00	179.57	9,392.83	6,032.43	-4,620.14	34.69	4,620.27	0.00	399,200.16	745,227.39
Lomas26#3H_PBHL - Lomas26#3H_PBHL										
13,882.31	91.00	179.57	9,392.81	6,032.41	-4,621.40	34.70	4,621.53	0.00	399,198.90	745,227.40
TD at 13882.31										

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Lomas26#3H_PBHL	0.00	0.00	9,465.00	-4,621.40	34.70	399,198.900	745,227.400	32° 5' 42.138 N	103° 32' 29.245 W
- plan misses target center by 72.18ft at 13881.05ft MD (9392.83 TVD, -4620.14 N, 34.69 E)									
- Point									

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
8,987.61	8,987.61	0.00	0.00	Start Build 12.00
9,745.94	9,465.00	-485.78	3.65	Start 4136.36 hold at 9745.94 MD
13,882.31	9,392.81	-4,621.40	34.70	TD at 13882.31

Checked By: _____ Approved By: _____ Date: _____



Project: Lea County
Site: Lomas Rojas "26" State Com
Well: #3H
Wellbore: OH
an: Plan #1 (#3H/OH)



Azimuths to Grid North
True North: -0.42°
Magnetic North: 7.29°

Magnetic Field
Strength: 48710.4snT
Dip Angle: 60.13°
Date: 02/26/2010
Model: IGRF200510

PATHFINDER

WELL DETAILS #3H						
Ground Elevation: 3341.40						
RKB Elevation: RKBtoGL-19' @ 3360.40ft (Original Well Elev)						
Rig Name: Original Well Elev						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	403820.300	745192.700	32° 6' 27.873" N	103° 32' 29.253" W	

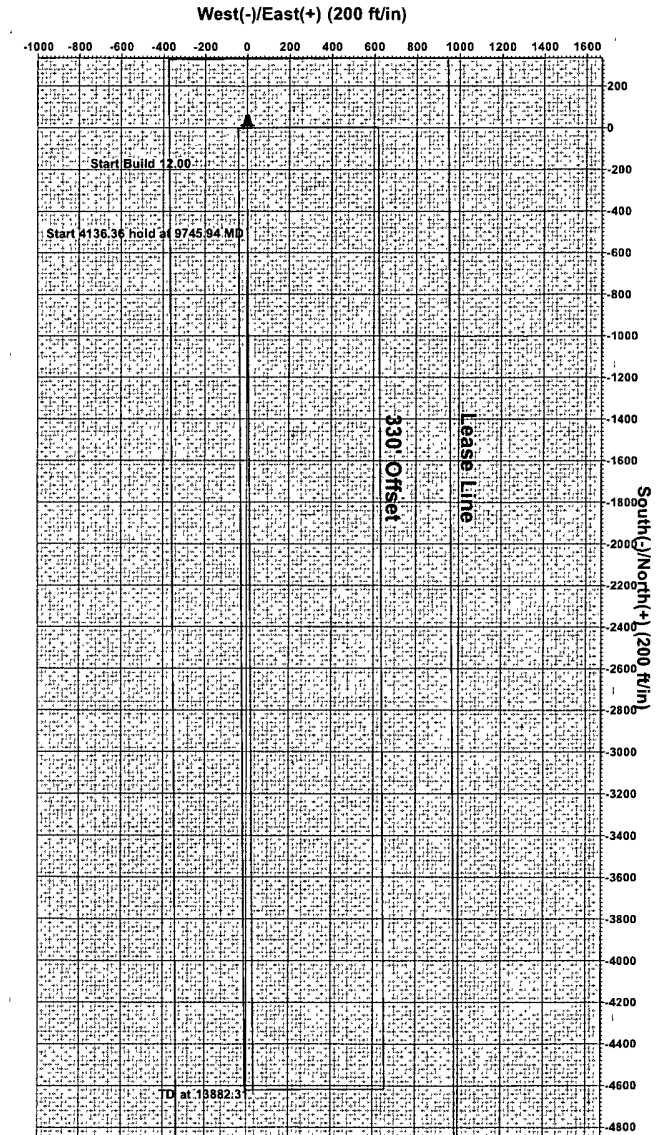
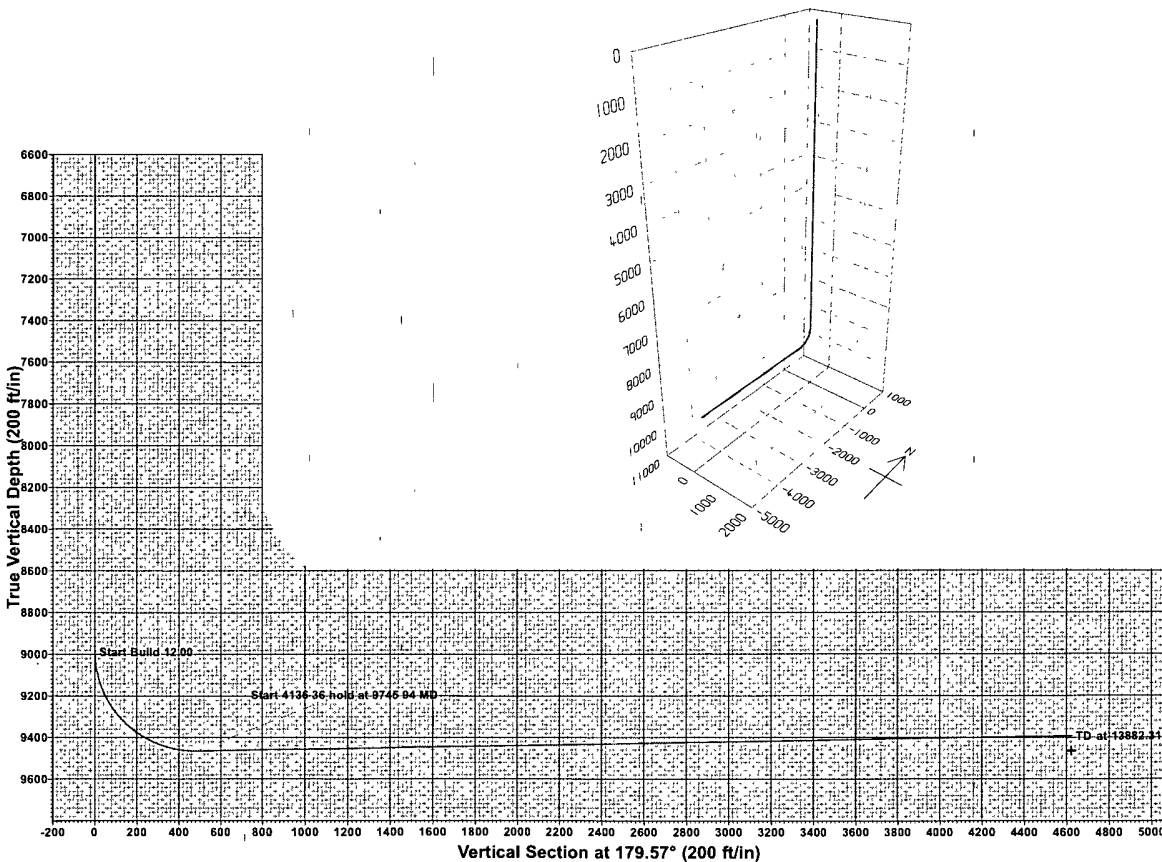
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	D Leg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	8987.61	0.00	0.00	8987.61	0.00	0.00	0.00	0.00	0.00	
3	9745.94	91.00	179.57	9465.00	-485.78	3.65	12.00	179.57	485.80	Lomas26#3H_PBHL
4	13882.31	91.00	179.57	9392.81	-4621.40	34.70	0.00	0.00	4621.53	Lomas26#3H_PBHL

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Lomas26#3H_PBHL	9465.00	-4621.40	34.70	399198.900	745227.400	Point

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

LEGEND

• Plan #1



Plan Plan #1 (#3H/OH)	
Created By: Nate Bingham	Date: 10/00, February 26 2010
Checked: _____	Date: _____