



EOG Resources, Inc.

Lea County
Lomas Rojas "26" State Com
#5H
OH

Plan: Plan #1

Pathfinder X & Y Planning Report

22 March, 2010

PATHFINDER

RECEIVED

MAR 24 2010

HOBBS

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Well:	#5H	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	Latitude:	32° 6' 27.886 N
From:	Map	Easting:	742,610.100 ft	Longitude:	103° 32' 59.279 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.42 °

Well		#5H				
Well Position	+N/-S	0.00 ft	Northing:	399,210.900 ft	Latitude:	32° 5' 42.123 N
	+E/-W	0.00 ft	Easting:	747,067.400 ft	Longitude:	103° 32' 7.855 W
Position Uncertainty	0.00 ft		Wellhead Elevation:	ft	Ground Level:	3,338.10 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	02/26/2010	7.70	60.12	48,703

Design					Plan #1				
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		359.57	

Survey Tool Program		Date 03/22/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	13,887.01	Plan #1 (OH)	MWD	MWD - Standard

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Well:	#5H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (%/100ft)	Northing (ft)	Easting (ft)	
0.00	0.00	0.00	0.00	-3,357.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
100.00	0.00	0.00	100.00	-3,257.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
200.00	0.00	0.00	200.00	-3,157.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
300.00	0.00	0.00	300.00	-3,057.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
400.00	0.00	0.00	400.00	-2,957.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
500.00	0.00	0.00	500.00	-2,857.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
600.00	0.00	0.00	600.00	-2,757.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
700.00	0.00	0.00	700.00	-2,657.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
800.00	0.00	0.00	800.00	-2,557.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
900.00	0.00	0.00	900.00	-2,457.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
1,000.00	0.00	0.00	1,000.00	-2,357.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
1,100.00	0.00	0.00	1,100.00	-2,257.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
1,200.00	0.00	0.00	1,200.00	-2,157.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
1,300.00	0.00	0.00	1,300.00	-2,057.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
1,400.00	0.00	0.00	1,400.00	-1,957.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
1,500.00	0.00	0.00	1,500.00	-1,857.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
1,600.00	0.00	0.00	1,600.00	-1,757.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
1,700.00	0.00	0.00	1,700.00	-1,657.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
1,800.00	0.00	0.00	1,800.00	-1,557.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
1,900.00	0.00	0.00	1,900.00	-1,457.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
2,000.00	0.00	0.00	2,000.00	-1,357.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
2,100.00	0.00	0.00	2,100.00	-1,257.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
2,200.00	0.00	0.00	2,200.00	-1,157.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
2,300.00	0.00	0.00	2,300.00	-1,057.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
2,400.00	0.00	0.00	2,400.00	-957.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
2,500.00	0.00	0.00	2,500.00	-857.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
2,600.00	0.00	0.00	2,600.00	-757.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Lea County	TVD Reference:	RKBtoGL 19' @ 3357.10ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com.	MD Reference:	RKBtoGL 19' @ 3357.10ft (Original Well Elev)
Well:	#5H	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	-657.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
2,800.00	0.00	0.00	2,800.00	-557.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
2,900.00	0.00	0.00	2,900.00	-457.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
3,000.00	0.00	0.00	3,000.00	-357.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
3,100.00	0.00	0.00	3,100.00	-257.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
3,200.00	0.00	0.00	3,200.00	-157.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
3,300.00	0.00	0.00	3,300.00	-57.10	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
3,400.00	0.00	0.00	3,400.00	42.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
3,500.00	0.00	0.00	3,500.00	142.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
3,600.00	0.00	0.00	3,600.00	242.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
3,700.00	0.00	0.00	3,700.00	342.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
3,800.00	0.00	0.00	3,800.00	442.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
3,900.00	0.00	0.00	3,900.00	542.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
4,000.00	0.00	0.00	4,000.00	642.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
4,100.00	0.00	0.00	4,100.00	742.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
4,200.00	0.00	0.00	4,200.00	842.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
4,300.00	0.00	0.00	4,300.00	942.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
4,400.00	0.00	0.00	4,400.00	1,042.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
4,500.00	0.00	0.00	4,500.00	1,142.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
4,600.00	0.00	0.00	4,600.00	1,242.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
4,700.00	0.00	0.00	4,700.00	1,342.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
4,800.00	0.00	0.00	4,800.00	1,442.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
4,900.00	0.00	0.00	4,900.00	1,542.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
5,000.00	0.00	0.00	5,000.00	1,642.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
5,100.00	0.00	0.00	5,100.00	1,742.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
5,200.00	0.00	0.00	5,200.00	1,842.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	
5,300.00	0.00	0.00	5,300.00	1,942.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40	

Company:	EOG Resources, Inc	Local Co-ordinate Reference:	Well #5H
Project:	Lea County	TVD Reference:	RKBtoGL-19" @ 3357.10ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	RKBtoGL-19" @ 3357.10ft (Original Well Elev)
Well:	#5H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDS (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	2,042.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
5,500.00	0.00	0.00	5,500.00	2,142.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
5,600.00	0.00	0.00	5,600.00	2,242.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
5,700.00	0.00	0.00	5,700.00	2,342.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
5,800.00	0.00	0.00	5,800.00	2,442.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
5,900.00	0.00	0.00	5,900.00	2,542.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
6,000.00	0.00	0.00	6,000.00	2,642.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
6,100.00	0.00	0.00	6,100.00	2,742.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
6,200.00	0.00	0.00	6,200.00	2,842.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
6,300.00	0.00	0.00	6,300.00	2,942.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
6,400.00	0.00	0.00	6,400.00	3,042.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
6,500.00	0.00	0.00	6,500.00	3,142.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
6,600.00	0.00	0.00	6,600.00	3,242.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
6,700.00	0.00	0.00	6,700.00	3,342.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
6,800.00	0.00	0.00	6,800.00	3,442.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
6,900.00	0.00	0.00	6,900.00	3,542.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
7,000.00	0.00	0.00	7,000.00	3,642.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
7,100.00	0.00	0.00	7,100.00	3,742.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
7,200.00	0.00	0.00	7,200.00	3,842.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
7,300.00	0.00	0.00	7,300.00	3,942.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
7,400.00	0.00	0.00	7,400.00	4,042.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
7,500.00	0.00	0.00	7,500.00	4,142.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
7,600.00	0.00	0.00	7,600.00	4,242.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
7,700.00	0.00	0.00	7,700.00	4,342.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
7,800.00	0.00	0.00	7,800.00	4,442.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
7,900.00	0.00	0.00	7,900.00	4,542.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
8,000.00	0.00	0.00	8,000.00	4,642.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com.	MD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Well:	#5H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDS (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	4,742.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
8,200.00	0.00	0.00	8,200.00	4,842.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
8,300.00	0.00	0.00	8,300.00	4,942.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
8,400.00	0.00	0.00	8,400.00	5,042.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
8,500.00	0.00	0.00	8,500.00	5,142.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
8,600.00	0.00	0.00	8,600.00	5,242.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
8,700.00	0.00	0.00	8,700.00	5,342.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
8,800.00	0.00	0.00	8,800.00	5,442.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
8,900.00	0.00	0.00	8,900.00	5,542.90	0.00	0.00	0.00	0.00	399,210.90	747,067.40
8,992.61	0.00	0.00	8,992.61	5,635.51	0.00	0.00	0.00	0.00	399,210.90	747,067.40
9,000.00	0.89	359.57	9,000.00	5,642.90	0.06	0.00	0.06	12.00	399,210.96	747,067.40
9,025.00	3.89	359.57	9,024.98	5,667.88	1.10	-0.01	1.10	12.00	399,212.00	747,067.39
9,050.00	6.89	359.57	9,049.86	5,692.76	3.44	-0.03	3.44	12.00	399,214.34	747,067.37
9,075.00	9.89	359.57	9,074.59	5,717.49	7.09	-0.05	7.09	12.00	399,217.99	747,067.35
9,100.00	12.89	359.57	9,099.10	5,742.00	12.03	-0.09	12.03	12.00	399,222.93	747,067.31
9,125.00	15.89	359.57	9,123.31	5,766.21	18.24	-0.14	18.24	12.00	399,229.14	747,067.26
9,150.00	18.89	359.57	9,147.17	5,790.07	25.71	-0.19	25.71	12.00	399,236.61	747,067.21
9,175.00	21.89	359.57	9,170.60	5,813.50	34.41	-0.26	34.41	12.00	399,245.31	747,067.14
9,200.00	24.89	359.57	9,193.54	5,836.44	44.34	-0.33	44.34	12.00	399,255.24	747,067.07
9,225.00	27.89	359.57	9,215.93	5,858.83	55.44	-0.42	55.45	12.00	399,266.34	747,066.98
9,250.00	30.89	359.57	9,237.71	5,880.61	67.71	-0.51	67.71	12.00	399,278.61	747,066.89
9,275.00	33.89	359.57	9,258.82	5,901.72	81.10	-0.61	81.10	12.00	399,292.00	747,066.79
9,300.00	36.89	359.57	9,279.20	5,922.10	95.57	-0.72	95.58	12.00	399,306.47	747,066.68
9,325.00	39.89	359.57	9,298.80	5,941.70	111.10	-0.84	111.10	12.00	399,322.00	747,066.56
9,350.00	42.89	359.57	9,317.55	5,960.45	127.62	-0.96	127.63	12.00	399,338.52	747,066.44
9,375.00	45.89	359.57	9,335.41	5,978.31	145.11	-1.09	145.11	12.00	399,356.01	747,066.31
9,400.00	48.89	359.57	9,352.34	5,995.24	163.50	-1.23	163.51	12.00	399,374.40	747,066.17

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Well:	#5H	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)	
9,425.00	51.89	359.57	9,368.28	6,011.18	182.76	-1.38	182.77	12.00	399,393.66	747,066.02	
9,450.00	54.89	359.57	9,383.18	6,026.08	202.82	-1.53	202.83	12.00	399,413.72	747,065.87	
9,475.00	57.89	359.57	9,397.02	6,039.92	223.64	-1.68	223.65	12.00	399,434.54	747,065.72	
9,500.00	60.89	359.57	9,409.75	6,052.65	245.15	-1.85	245.16	12.00	399,456.05	747,065.55	
9,525.00	63.89	359.57	9,421.34	6,064.24	267.30	-2.01	267.31	12.00	399,478.20	747,065.39	
9,550.00	66.89	359.57	9,431.75	6,074.65	290.03	-2.18	290.04	12.00	399,500.93	747,065.22	
9,575.00	69.89	359.57	9,440.96	6,083.86	313.27	-2.36	313.28	12.00	399,524.17	747,065.04	
9,600.00	72.89	359.57	9,448.94	6,091.84	336.96	-2.54	336.97	12.00	399,547.86	747,064.86	
9,625.00	75.89	359.57	9,455.66	6,098.56	361.03	-2.72	361.04	12.00	399,571.93	747,064.68	
9,650.00	78.89	359.57	9,461.12	6,104.02	385.42	-2.90	385.43	12.00	399,596.32	747,064.50	
9,675.00	81.89	359.57	9,465.30	6,108.20	410.07	-3.09	410.08	12.00	399,620.97	747,064.31	
9,700.00	84.89	359.57	9,468.17	6,111.07	434.90	-3.28	434.91	12.00	399,645.80	747,064.12	
9,725.00	87.89	359.57	9,469.75	6,112.65	459.85	-3.46	459.86	12.00	399,670.75	747,063.94	
9,734.28	89.00	359.57	9,470.00	6,112.90	469.12	-3.53	469.13	12.00	399,680.02	747,063.87	
9,800.00	89.00	359.57	9,471.15	6,114.05	534.83	-4.03	534.85	0.00	399,745.73	747,063.37	
9,900.00	89.00	359.57	9,472.89	6,115.79	634.81	-4.78	634.83	0.00	399,845.71	747,062.62	
10,000.00	89.00	359.57	9,474.64	6,117.54	734.79	-5.53	734.81	0.00	399,945.69	747,061.87	
10,100.00	89.00	359.57	9,476.38	6,119.28	834.78	-6.29	834.80	0.00	400,045.68	747,061.11	
10,200.00	89.00	359.57	9,478.13	6,121.03	934.76	-7.04	934.78	0.00	400,145.66	747,060.36	
10,300.00	89.00	359.57	9,479.88	6,122.78	1,034.74	-7.79	1,034.77	0.00	400,245.64	747,059.61	
10,400.00	89.00	359.57	9,481.62	6,124.52	1,134.72	-8.55	1,134.75	0.00	400,345.62	747,058.85	
10,500.00	89.00	359.57	9,483.37	6,126.27	1,234.70	-9.30	1,234.74	0.00	400,445.60	747,058.10	
10,600.00	89.00	359.57	9,485.11	6,128.01	1,334.69	-10.05	1,334.72	0.00	400,545.59	747,057.35	
10,700.00	89.00	359.57	9,486.86	6,129.76	1,434.67	-10.80	1,434.71	0.00	400,645.57	747,056.60	
10,800.00	89.00	359.57	9,488.60	6,131.50	1,534.65	-11.56	1,534.69	0.00	400,745.55	747,055.84	
10,900.00	89.00	359.57	9,490.35	6,133.25	1,634.63	-12.31	1,634.68	0.00	400,845.53	747,055.09	
11,000.00	89.00	359.57	9,492.09	6,134.99	1,734.61	-13.06	1,734.66	0.00	400,945.51	747,054.34	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Lea County	TVD Reference:	RKBtoGL-19" @ 3357.10ft (Original Well Elev)
Site:	Lomas Rojas "26" State Com	MD Reference:	RKBtoGL-19" @ 3357.10ft (Original Well Elev)
Well:	#5H	North Reference:	Grid:
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
11,100.00	89.00	359.57	9,493.84	6,136.74	1,834.60	-13.82	1,834.65	0.00	401,045.50	747,053.58	
11,200.00	89.00	359.57	9,495.58	6,138.48	1,934.58	-14.57	1,934.63	0.00	401,145.48	747,052.83	
11,300.00	89.00	359.57	9,497.33	6,140.23	2,034.56	-15.32	2,034.62	0.00	401,245.46	747,052.08	
11,400.00	89.00	359.57	9,499.07	6,141.97	2,134.54	-16.07	2,134.60	0.00	401,345.44	747,051.33	
11,500.00	89.00	359.57	9,500.82	6,143.72	2,234.52	-16.83	2,234.59	0.00	401,445.42	747,050.57	
11,600.00	89.00	359.57	9,502.56	6,145.46	2,334.50	-17.58	2,334.57	0.00	401,545.40	747,049.82	
11,700.00	89.00	359.57	9,504.31	6,147.21	2,434.49	-18.33	2,434.56	0.00	401,645.39	747,049.07	
11,800.00	89.00	359.57	9,506.05	6,148.95	2,534.47	-19.09	2,534.54	0.00	401,745.37	747,048.31	
11,900.00	89.00	359.57	9,507.80	6,150.70	2,634.45	-19.84	2,634.53	0.00	401,845.35	747,047.56	
12,000.00	89.00	359.57	9,509.54	6,152.44	2,734.43	-20.59	2,734.51	0.00	401,945.33	747,046.81	
12,100.00	89.00	359.57	9,511.29	6,154.19	2,834.41	-21.35	2,834.49	0.00	402,045.31	747,046.05	
12,200.00	89.00	359.57	9,513.03	6,155.93	2,934.40	-22.10	2,934.48	0.00	402,145.30	747,045.30	
12,300.00	89.00	359.57	9,514.78	6,157.68	3,034.38	-22.85	3,034.46	0.00	402,245.28	747,044.55	
12,400.00	89.00	359.57	9,516.53	6,159.43	3,134.36	-23.60	3,134.45	0.00	402,345.26	747,043.80	
12,500.00	89.00	359.57	9,518.27	6,161.17	3,234.34	-24.36	3,234.43	0.00	402,445.24	747,043.04	
12,600.00	89.00	359.57	9,520.02	6,162.92	3,334.32	-25.11	3,334.42	0.00	402,545.22	747,042.29	
12,700.00	89.00	359.57	9,521.76	6,164.66	3,434.31	-25.86	3,434.40	0.00	402,645.21	747,041.54	
12,800.00	89.00	359.57	9,523.51	6,166.41	3,534.29	-26.62	3,534.39	0.00	402,745.19	747,040.78	
12,900.00	89.00	359.57	9,525.25	6,168.15	3,634.27	-27.37	3,634.37	0.00	402,845.17	747,040.03	
13,000.00	89.00	359.57	9,527.00	6,169.90	3,734.25	-28.12	3,734.36	0.00	402,945.15	747,039.28	
13,100.00	89.00	359.57	9,528.74	6,171.64	3,834.23	-28.87	3,834.34	0.00	403,045.13	747,038.53	
13,200.00	89.00	359.57	9,530.49	6,173.39	3,934.22	-29.63	3,934.33	0.00	403,145.12	747,037.77	
13,300.00	89.00	359.57	9,532.23	6,175.13	4,034.20	-30.38	4,034.31	0.00	403,245.10	747,037.02	
13,400.00	89.00	359.57	9,533.98	6,176.88	4,134.18	-31.13	4,134.30	0.00	403,345.08	747,036.27	
13,500.00	89.00	359.57	9,535.72	6,178.62	4,234.16	-31.89	4,234.28	0.00	403,445.06	747,035.51	
13,600.00	89.00	359.57	9,537.47	6,180.37	4,334.14	-32.64	4,334.27	0.00	403,545.04	747,034.76	
13,700.00	89.00	359.57	9,539.21	6,182.11	4,434.13	-33.39	4,434.25	0.00	403,645.03	747,034.01	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Site:	Lomas Rojas "26" State Corn	MD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Well:	#5H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
13,800.00	89.00	359.57	9,540.96	6,183.86	4,534.11	-34.14	4,534.24	0.00	403,745.01	747,033.26	
13,887.01	89.00	359.57	9,542.48	6,185.38	4,621.10	-34.80	4,621.23	0.00	403,832.00	747,032.60	
Lomas#5H_PBHL											

Targets									
Target Name - hit/miss target Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Lomas#5H_PBHL - plan hits target center - Point	0.00	0.00	9,542.80	4,621.10	-34.80	403,832.000	747,032.600	32° 6' 27.854 N	103° 32' 7.862 W

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



Project: Lea County
Site: Lomas Rojas "26" State Com
Well: #5H
Wellbore: OH
Plan: Plan #1 (#5H/OH)



Azimuths to Grid North
True North: -0.42°
Magnetic North: 7.28°

Magnetic Field
Strength: 48703.4nT
Dip Angle: 60.12°
Date: 02/26/2010
Model: IGRF200510

PATHFINDER

WELL DETAILS #5H

Ground Elevation 3338 10
RKB Elevation RKBtoGL-19' @ 3357 10ft (Original Well Elev)
Rig Name: Original Well Elev

	+N/-S	+E/-W	Northing	Easting	32° 5' 42" 123 N	103° 32' 7" 855 W	Slot
1	0 00	0 00	399210 900	747067 400			

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	8992.61	0.00	0.00	8992.61	0.00	0.00	0.00	0.00	0.00	
3	9734.28	89 00	359 57	9470 00	469.12	-3.53	12.00	359 57	469 13	Lomas#5H_PBHL
4	13887 01	89 00	359.57	9542 48	4621 10	-34 80	0 00	0 00	4621 23	Lomas#5H_PBHL

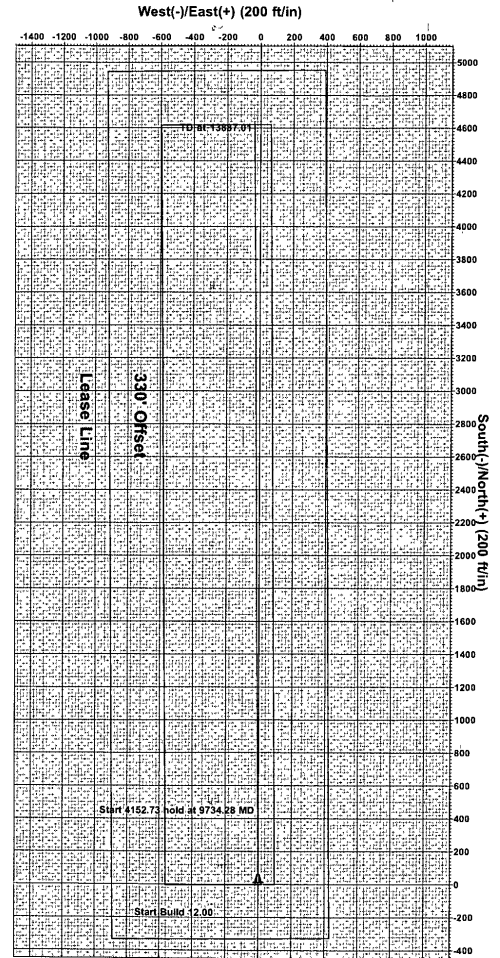
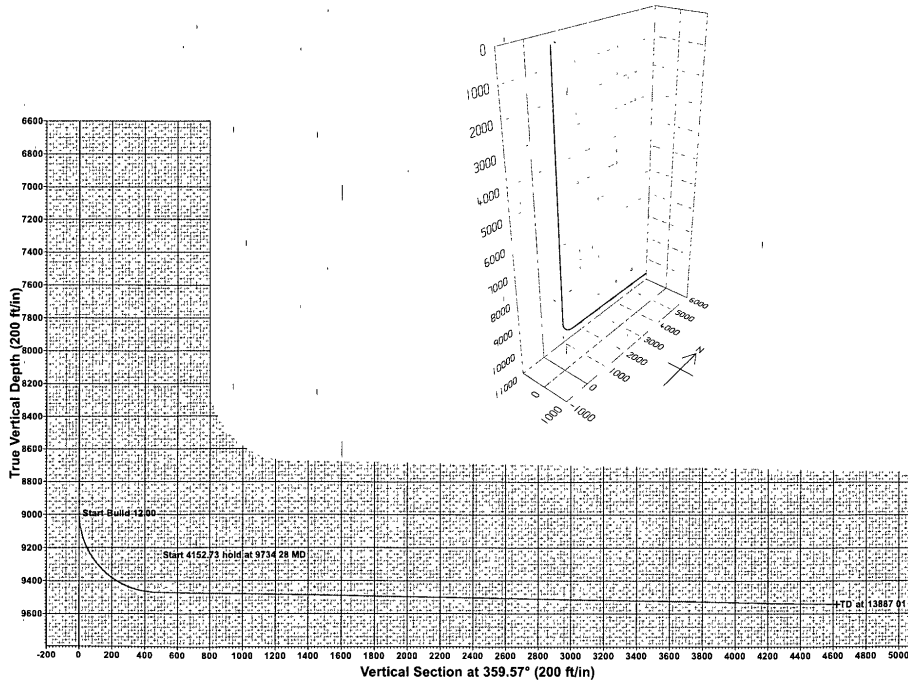
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Lomas#5H_PBHL	9542 80	4621 10	-34 80	403832 000	747032 600	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 (#5H/OH)

Created By: Nate Bingham Date: 13 May, March 22 2010

Checked: _____ Date: _____