

3D.025-39704



EOG Resources, Inc.

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

RECEIVED

MAR 08 2010
HOBBSOCD

Plan: Plan #1

Pathfinder X & Y Planning Report

26 February, 2010

PATHFINDER

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:	403,832.000 ft	Latitude:	32° 6' 27.854 N
	+E/-W	0.00 ft	Easting:	747,032.600 ft	Longitude:	103° 32' 7.862 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	7.71	60 13	48,711

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		179.57	

Survey Tool Program		Date: 02/26/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	13,887 01	Plan #1 (OH)	MWD	MWD - Standard

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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	0.00	-3,357.10	0.00	0.00	0.00	403,832.00	747,032.60
100.00	0.00	0.00	100.00	0.00	-3,257.10	0.00	0.00	0.00	403,832.00	747,032.60
200.00	0.00	0.00	200.00	0.00	-3,157.10	0.00	0.00	0.00	403,832.00	747,032.60
300.00	0.00	0.00	300.00	0.00	-3,057.10	0.00	0.00	0.00	403,832.00	747,032.60
400.00	0.00	0.00	400.00	0.00	-2,957.10	0.00	0.00	0.00	403,832.00	747,032.60
500.00	0.00	0.00	500.00	0.00	-2,857.10	0.00	0.00	0.00	403,832.00	747,032.60
600.00	0.00	0.00	600.00	0.00	-2,757.10	0.00	0.00	0.00	403,832.00	747,032.60
700.00	0.00	0.00	700.00	0.00	-2,657.10	0.00	0.00	0.00	403,832.00	747,032.60
800.00	0.00	0.00	800.00	0.00	-2,557.10	0.00	0.00	0.00	403,832.00	747,032.60
900.00	0.00	0.00	900.00	0.00	-2,457.10	0.00	0.00	0.00	403,832.00	747,032.60
1,000.00	0.00	0.00	1,000.00	0.00	-2,357.10	0.00	0.00	0.00	403,832.00	747,032.60
1,100.00	0.00	0.00	1,100.00	0.00	-2,257.10	0.00	0.00	0.00	403,832.00	747,032.60
1,200.00	0.00	0.00	1,200.00	0.00	-2,157.10	0.00	0.00	0.00	403,832.00	747,032.60
1,300.00	0.00	0.00	1,300.00	0.00	-2,057.10	0.00	0.00	0.00	403,832.00	747,032.60
1,400.00	0.00	0.00	1,400.00	0.00	-1,957.10	0.00	0.00	0.00	403,832.00	747,032.60
1,500.00	0.00	0.00	1,500.00	0.00	-1,857.10	0.00	0.00	0.00	403,832.00	747,032.60
1,600.00	0.00	0.00	1,600.00	0.00	-1,757.10	0.00	0.00	0.00	403,832.00	747,032.60
1,700.00	0.00	0.00	1,700.00	0.00	-1,657.10	0.00	0.00	0.00	403,832.00	747,032.60
1,800.00	0.00	0.00	1,800.00	0.00	-1,557.10	0.00	0.00	0.00	403,832.00	747,032.60
1,900.00	0.00	0.00	1,900.00	0.00	-1,457.10	0.00	0.00	0.00	403,832.00	747,032.60
2,000.00	0.00	0.00	2,000.00	0.00	-1,357.10	0.00	0.00	0.00	403,832.00	747,032.60
2,100.00	0.00	0.00	2,100.00	0.00	-1,257.10	0.00	0.00	0.00	403,832.00	747,032.60
2,200.00	0.00	0.00	2,200.00	0.00	-1,157.10	0.00	0.00	0.00	403,832.00	747,032.60
2,300.00	0.00	0.00	2,300.00	0.00	-1,057.10	0.00	0.00	0.00	403,832.00	747,032.60
2,400.00	0.00	0.00	2,400.00	0.00	-957.10	0.00	0.00	0.00	403,832.00	747,032.60
2,500.00	0.00	0.00	2,500.00	0.00	-857.10	0.00	0.00	0.00	403,832.00	747,032.60
2,600.00	0.00	0.00	2,600.00	0.00	-757.10	0.00	0.00	0.00	403,832.00	747,032.60

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
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Well:	#5H	North Reference:	Grd
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	403,832.00	747,032.60			
2,800.00	0.00	0.00	2,800.00	-557.10	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
2,900.00	0.00	0.00	2,900.00	-457.10	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
3,000.00	0.00	0.00	3,000.00	-357.10	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
3,100.00	0.00	0.00	3,100.00	-257.10	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
3,200.00	0.00	0.00	3,200.00	-157.10	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
3,300.00	0.00	0.00	3,300.00	-57.10	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
3,400.00	0.00	0.00	3,400.00	42.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
3,500.00	0.00	0.00	3,500.00	142.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
3,600.00	0.00	0.00	3,600.00	242.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
3,700.00	0.00	0.00	3,700.00	342.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
3,800.00	0.00	0.00	3,800.00	442.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
3,900.00	0.00	0.00	3,900.00	542.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
4,000.00	0.00	0.00	4,000.00	642.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
4,100.00	0.00	0.00	4,100.00	742.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
4,200.00	0.00	0.00	4,200.00	842.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
4,300.00	0.00	0.00	4,300.00	942.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
4,400.00	0.00	0.00	4,400.00	1,042.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
4,500.00	0.00	0.00	4,500.00	1,142.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
4,600.00	0.00	0.00	4,600.00	1,242.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
4,700.00	0.00	0.00	4,700.00	1,342.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
4,800.00	0.00	0.00	4,800.00	1,442.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
4,900.00	0.00	0.00	4,900.00	1,542.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
5,000.00	0.00	0.00	5,000.00	1,642.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
5,100.00	0.00	0.00	5,100.00	1,742.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
5,200.00	0.00	0.00	5,200.00	1,842.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			
5,300.00	0.00	0.00	5,300.00	1,942.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60			

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5,400.00	0.00	0.00	5,400.00	2,042.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
5,500.00	0.00	0.00	5,500.00	2,142.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
5,600.00	0.00	0.00	5,600.00	2,242.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
5,700.00	0.00	0.00	5,700.00	2,342.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
5,800.00	0.00	0.00	5,800.00	2,442.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
5,900.00	0.00	0.00	5,900.00	2,542.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
6,000.00	0.00	0.00	6,000.00	2,642.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
6,100.00	0.00	0.00	6,100.00	2,742.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
6,200.00	0.00	0.00	6,200.00	2,842.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
6,300.00	0.00	0.00	6,300.00	2,942.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
6,400.00	0.00	0.00	6,400.00	3,042.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
6,500.00	0.00	0.00	6,500.00	3,142.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
6,600.00	0.00	0.00	6,600.00	3,242.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
6,700.00	0.00	0.00	6,700.00	3,342.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
6,800.00	0.00	0.00	6,800.00	3,442.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
6,900.00	0.00	0.00	6,900.00	3,542.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
7,000.00	0.00	0.00	7,000.00	3,642.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
7,100.00	0.00	0.00	7,100.00	3,742.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
7,200.00	0.00	0.00	7,200.00	3,842.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
7,300.00	0.00	0.00	7,300.00	3,942.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
7,400.00	0.00	0.00	7,400.00	4,042.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
7,500.00	0.00	0.00	7,500.00	4,142.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
7,600.00	0.00	0.00	7,600.00	4,242.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
7,700.00	0.00	0.00	7,700.00	4,342.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
7,800.00	0.00	0.00	7,800.00	4,442.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
7,900.00	0.00	0.00	7,900.00	4,542.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60
8,000.00	0.00	0.00	8,000.00	4,642.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60

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8,100.00	0.00	0.00	8,100.00	4,742.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60	
8,200.00	0.00	0.00	8,200.00	4,842.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60	
8,300.00	0.00	0.00	8,300.00	4,942.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60	
8,400.00	0.00	0.00	8,400.00	5,042.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60	
8,500.00	0.00	0.00	8,500.00	5,142.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60	
8,600.00	0.00	0.00	8,600.00	5,242.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60	
8,700.00	0.00	0.00	8,700.00	5,342.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60	
8,800.00	0.00	0.00	8,800.00	5,442.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60	
8,900.00	0.00	0.00	8,900.00	5,542.90	0.00	0.00	0.00	0.00	403,832.00	747,032.60	
8,992.61	0.00	0.00	8,992.61	5,635.51	0.00	0.00	0.00	0.00	403,832.00	747,032.60	
Start Build 12.00											
9,000.00	0.89	179.57	9,000.00	5,642.90	-0.06	0.00	0.06	12.00	403,831.94	747,032.60	
9,025.00	3.89	179.57	9,024.98	5,667.88	-1.10	0.01	1.10	12.00	403,830.90	747,032.61	
9,050.00	6.89	179.57	9,049.86	5,692.76	-3.44	0.03	3.44	12.00	403,828.56	747,032.63	
9,075.00	9.89	179.57	9,074.59	5,717.49	-7.09	0.05	7.09	12.00	403,824.91	747,032.65	
9,100.00	12.89	179.57	9,099.10	5,742.00	-12.03	0.09	12.03	12.00	403,819.97	747,032.69	
9,125.00	15.89	179.57	9,123.31	5,766.21	-18.24	0.14	18.24	12.00	403,813.76	747,032.74	
9,150.00	18.89	179.57	9,147.17	5,790.07	-25.71	0.19	25.71	12.00	403,806.29	747,032.79	
9,175.00	21.89	179.57	9,170.60	5,813.50	-34.41	0.26	34.41	12.00	403,797.59	747,032.86	
9,200.00	24.89	179.57	9,193.54	5,836.44	-44.34	0.33	44.34	12.00	403,787.66	747,032.93	
9,225.00	27.89	179.57	9,215.93	5,858.83	-55.44	0.42	55.45	12.00	403,776.56	747,033.02	
9,250.00	30.89	179.57	9,237.71	5,880.61	-67.71	0.51	67.71	12.00	403,764.29	747,033.11	
9,275.00	33.89	179.57	9,258.82	5,901.72	-81.10	0.61	81.10	12.00	403,750.90	747,033.21	
9,300.00	36.89	179.57	9,279.20	5,922.10	-95.57	0.72	95.58	12.00	403,736.43	747,033.32	
9,325.00	39.89	179.57	9,298.80	5,941.70	-111.10	0.84	111.10	12.00	403,720.90	747,033.44	
9,350.00	42.89	179.57	9,317.55	5,960.45	-127.62	0.96	127.63	12.00	403,704.38	747,033.56	
9,375.00	45.89	179.57	9,335.41	5,978.31	-145.11	1.09	145.11	12.00	403,686.89	747,033.69	

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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)
9,400.00	48.89	179.57	9,352.34	5,995.24	-163.50	1.23	163.51	12.00	403,668.50	747,033.83
9,425.00	51.89	179.57	9,368.28	6,011.18	-182.76	1.38	182.77	12.00	403,649.24	747,033.98
9,450.00	54.89	179.57	9,383.18	6,026.08	-202.82	1.53	202.83	12.00	403,629.18	747,034.13
9,475.00	57.89	179.57	9,397.02	6,039.92	-223.64	1.68	223.65	12.00	403,608.36	747,034.28
9,500.00	60.89	179.57	9,409.75	6,052.65	-245.15	1.85	245.16	12.00	403,586.85	747,034.45
9,525.00	63.89	179.57	9,421.34	6,064.24	-267.30	2.01	267.31	12.00	403,564.70	747,034.61
9,550.00	66.89	179.57	9,431.75	6,074.65	-290.03	2.18	290.04	12.00	403,541.97	747,034.78
9,575.00	69.89	179.57	9,440.96	6,083.86	-313.27	2.36	313.28	12.00	403,518.73	747,034.96
9,600.00	72.89	179.57	9,448.94	6,091.84	-336.96	2.54	336.97	12.00	403,495.04	747,035.14
9,625.00	75.89	179.57	9,455.66	6,098.56	-361.03	2.72	361.04	12.00	403,470.97	747,035.32
9,650.00	78.89	179.57	9,461.12	6,104.02	-385.42	2.90	385.43	12.00	403,446.58	747,035.50
9,675.00	81.89	179.57	9,465.30	6,108.20	-410.07	3.09	410.08	12.00	403,421.93	747,035.69
9,700.00	84.89	179.57	9,468.17	6,111.07	-434.90	3.28	434.91	12.00	403,397.10	747,035.88
9,725.00	87.89	179.57	9,469.75	6,112.65	-459.85	3.46	459.86	12.00	403,372.15	747,036.06
9,750.94	91.00	179.57	9,470.00	6,112.90	-485.78	3.66	485.80	12.00	403,346.22	747,036.26
Start 4136.06 hold at 9750.94 MD										
9,800.00	91.00	179.57	9,469.15	6,112.05	-534.83	4.03	534.85	0.00	403,297.17	747,036.63
9,900.00	91.00	179.57	9,467.40	6,110.30	-634.81	4.78	634.83	0.00	403,197.19	747,037.38
10,000.00	91.00	179.57	9,465.66	6,108.56	-734.80	5.53	734.82	0.00	403,097.20	747,038.13
10,100.00	91.00	179.57	9,463.91	6,106.81	-834.78	6.29	834.80	0.00	402,997.22	747,038.89
10,200.00	91.00	179.57	9,462.16	6,105.06	-934.76	7.04	934.79	0.00	402,897.24	747,039.64
10,300.00	91.00	179.57	9,460.42	6,103.32	-1,034.74	7.79	1,034.77	0.00	402,797.26	747,040.39
10,400.00	91.00	179.57	9,458.67	6,101.57	-1,134.72	8.55	1,134.76	0.00	402,697.28	747,041.15
10,500.00	91.00	179.57	9,456.93	6,099.83	-1,234.71	9.30	1,234.74	0.00	402,597.29	747,041.90
10,600.00	91.00	179.57	9,455.18	6,098.08	-1,334.69	10.05	1,334.73	0.00	402,497.31	747,042.65
10,700.00	91.00	179.57	9,453.44	6,096.34	-1,434.67	10.80	1,434.71	0.00	402,397.33	747,043.40
10,800.00	91.00	179.57	9,451.69	6,094.59	-1,534.65	11.56	1,534.69	0.00	402,297.35	747,044.16

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)
10,900.00	91.00	179.57	9,449.95	6,092.85	-1,634.63	12.31	1,634.68	0.00	402,197.37	747,044.91
11,000.00	91.00	179.57	9,448.20	6,091.10	-1,734.61	13.06	1,734.66	0.00	402,097.39	747,045.66
11,100.00	91.00	179.57	9,446.46	6,089.36	-1,834.60	13.82	1,834.65	0.00	401,997.40	747,046.42
11,200.00	91.00	179.57	9,444.71	6,087.61	-1,934.58	14.57	1,934.63	0.00	401,897.42	747,047.17
11,300.00	91.00	179.57	9,442.97	6,085.87	-2,034.56	15.32	2,034.62	0.00	401,797.44	747,047.92
11,400.00	91.00	179.57	9,441.22	6,084.12	-2,134.54	16.07	2,134.60	0.00	401,697.46	747,048.67
11,500.00	91.00	179.57	9,439.48	6,082.38	-2,234.52	16.83	2,234.59	0.00	401,597.48	747,049.43
11,600.00	91.00	179.57	9,437.73	6,080.63	-2,334.51	17.58	2,334.57	0.00	401,497.49	747,050.18
11,700.00	91.00	179.57	9,435.99	6,078.89	-2,434.49	18.33	2,434.56	0.00	401,397.51	747,050.93
11,800.00	91.00	179.57	9,434.24	6,077.14	-2,534.47	19.09	2,534.54	0.00	401,297.53	747,051.69
11,900.00	91.00	179.57	9,432.50	6,075.40	-2,634.45	19.84	2,634.53	0.00	401,197.55	747,052.44
12,000.00	91.00	179.57	9,430.75	6,073.65	-2,734.43	20.59	2,734.51	0.00	401,097.57	747,053.19
12,100.00	91.00	179.57	9,429.01	6,071.91	-2,834.42	21.35	2,834.50	0.00	400,997.58	747,053.95
12,200.00	91.00	179.57	9,427.26	6,070.16	-2,934.40	22.10	2,934.48	0.00	400,897.60	747,054.70
12,300.00	91.00	179.57	9,425.51	6,068.41	-3,034.38	22.85	3,034.47	0.00	400,797.62	747,055.45
12,400.00	91.00	179.57	9,423.77	6,066.67	-3,134.36	23.60	3,134.45	0.00	400,697.64	747,056.20
12,500.00	91.00	179.57	9,422.02	6,064.92	-3,234.34	24.36	3,234.44	0.00	400,597.66	747,056.96
12,600.00	91.00	179.57	9,420.28	6,063.18	-3,334.33	25.11	3,334.42	0.00	400,497.67	747,057.71
12,700.00	91.00	179.57	9,418.53	6,061.43	-3,434.31	25.86	3,434.41	0.00	400,397.69	747,058.46
12,800.00	91.00	179.57	9,416.79	6,059.69	-3,534.29	26.62	3,534.39	0.00	400,297.71	747,059.22
12,900.00	91.00	179.57	9,415.04	6,057.94	-3,634.27	27.37	3,634.37	0.00	400,197.73	747,059.97
13,000.00	91.00	179.57	9,413.30	6,056.20	-3,734.25	28.12	3,734.36	0.00	400,097.75	747,060.72
13,100.00	91.00	179.57	9,411.55	6,054.45	-3,834.24	28.87	3,834.34	0.00	399,997.76	747,061.47
13,200.00	91.00	179.57	9,409.81	6,052.71	-3,934.22	29.63	3,934.33	0.00	399,897.78	747,062.23
13,300.00	91.00	179.57	9,408.06	6,050.96	-4,034.20	30.38	4,034.31	0.00	399,797.80	747,062.98
13,400.00	91.00	179.57	9,406.32	6,049.22	-4,134.18	31.13	4,134.30	0.00	399,697.82	747,063.73
13,500.00	91.00	179.57	9,404.57	6,047.47	-4,234.16	31.89	4,234.28	0.00	399,597.84	747,064.49

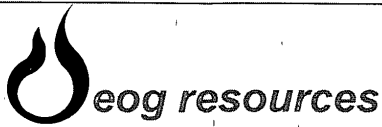
Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Lea County	TVD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Site:	Lomas,Rojas:"26" State.Com	MD Reference:	RKBtoGL-19' @ 3357.10ft (Original Well Elev)
Well:	#5H	North Reference:	Grid
Wellbore:	OH	Survey Calculation 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)	
13,600.00	91.00	179.57	9,402.83	6,045.73	-4,334.15	32.64	4,334.27	0.00	399,497.85	747,065.24	
13,700.00	91.00	179.57	9,401.08	6,043.98	-4,434.13	33.39	4,434.25	0.00	399,397.87	747,065.99	
13,800.00	91.00	179.57	9,399.34	6,042.24	-4,534.11	34.14	4,534.24	0.00	399,297.89	747,066.74	
13,885.75	91.00	179.57	9,397.84	6,040.74	-4,619.84	34.79	4,619.97	0.00	399,212.16	747,067.39	
Lomas#5H_PBHL - Lomas#5H_PBHL											
13,887.01	91.00	179.57	9,397.82	6,040.72	-4,621.10	34.80	4,621.23	0.00	399,210.90	747,067.40	
TD at 13887.01											

Targets									
Target Name	hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	
Shape		(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	
Lomas#5H_PBHL		0.00	0.00	9,470.00	-4,621.10	34.80	399,210.900	747,067.400	
- plan misses target center by 72.17ft at 13885.75ft MD (9397.84 TVD, -4619.84 N, 34.79 E)									
- Point									

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(ft)	(ft)	+N/-S	+E/-W	Comment	
(ft)	(ft)	(ft)	(ft)		
8,992.61	8,992.61	0.00	0.00	Start Build 12.00	
9,750.94	9,470.00	-485.78	3.66	Start 4136.06 hold at 9750.94 MD	
13,887.01	9,397.82	-4,621.10	34.80	TD at 13887.01	

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: 48711 1nT
Dip Angle: 60.13°
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	Latitude	Longitude	Slot
0.00	0.00	403832.000	747032.600	32° 6' 27.854 N	103° 32' 7.862 W	

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	9750.94	91.00	179.57	9470.00	-485.78	3.66	12.00	179.57	485.80	Lomas#5H_PBHL
4	13887.01	91.00	179.57	9397.92	-4621.10	34.80	0.00	0.00	4621.23	Lomas#5H_PBHL

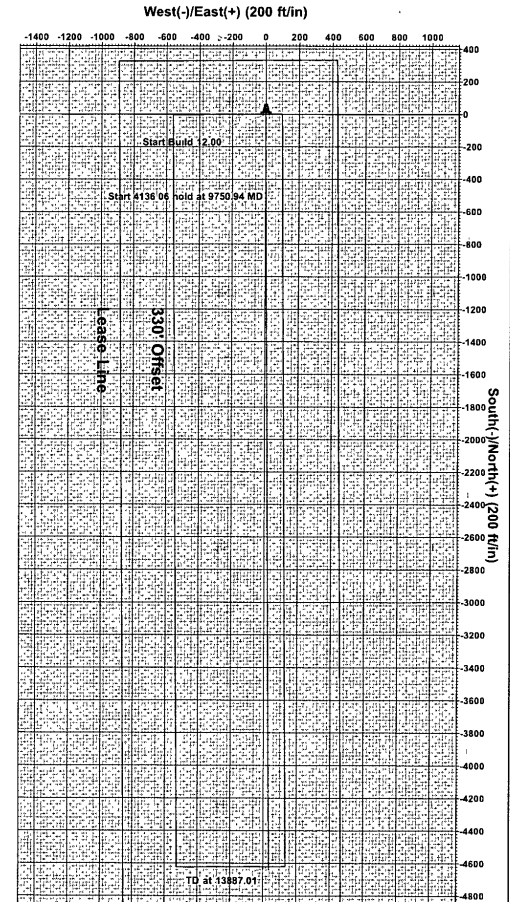
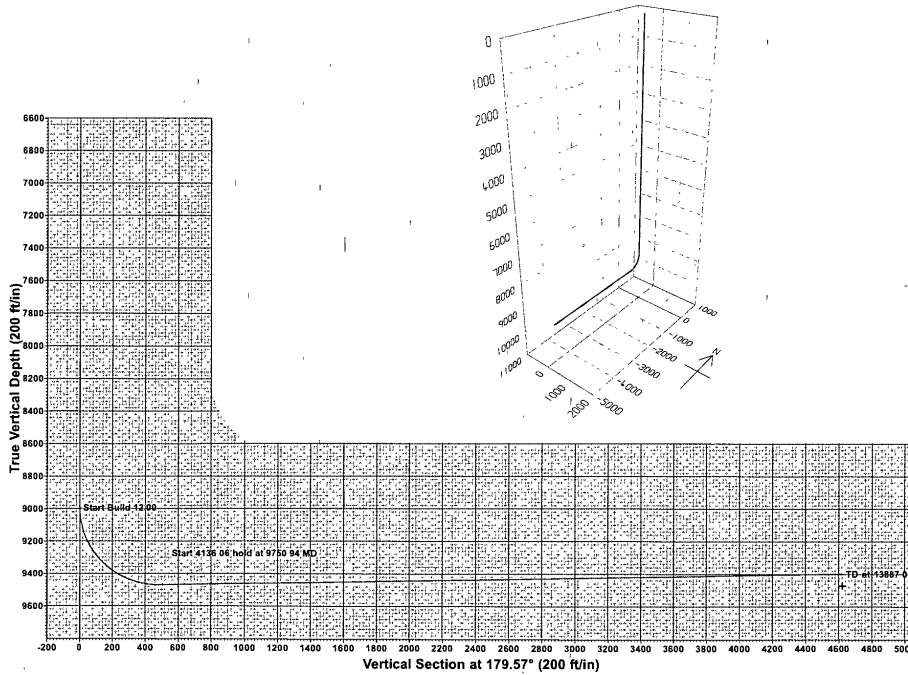
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Lomas#5H_PBHL	9470.00	-4621.10	34.80	399210.900	747067.400	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 (#5H/OH)
Created By Nate Bingham Date 14 38, February 26 2010
Checked _____ Date _____