



Lea County, NM (NAD 27 NME)

Brown Bear 36 State #704H

Percision 612

Plan #0.3

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

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: #704H

Ground Level: 3319.0
KB = 25' @ 3344.0uwh (Percision 612)
Nothing Easting 749832.00 32° 4' 48.753 N 103° 31' 38.673 W

SECTION DETAILS

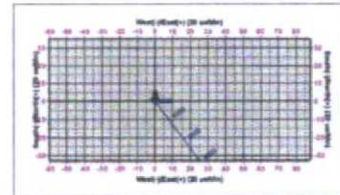
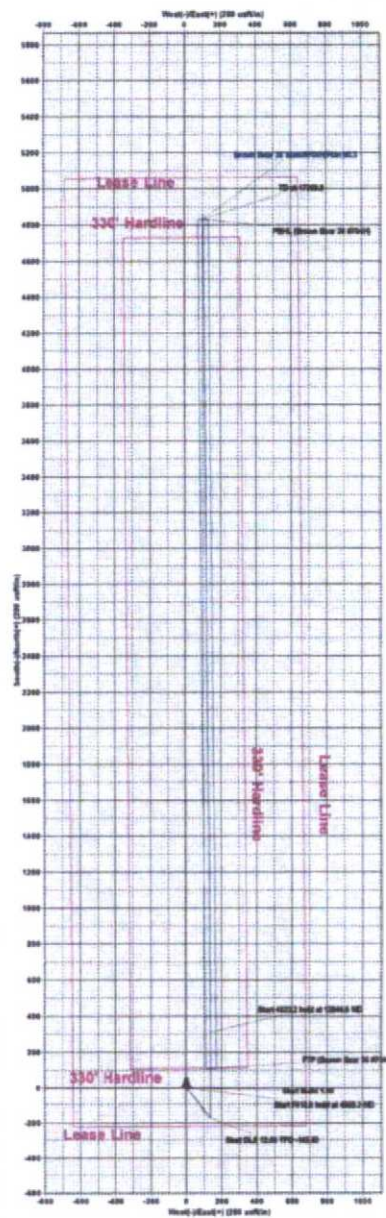
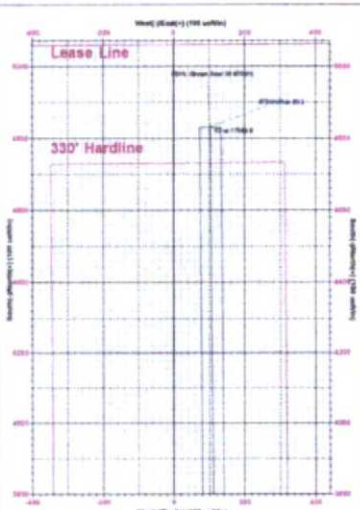
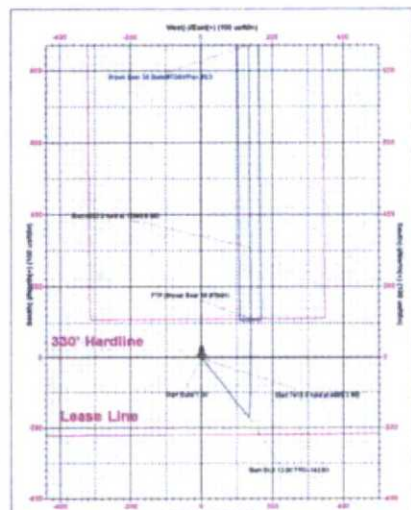
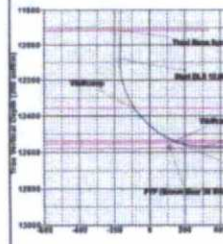
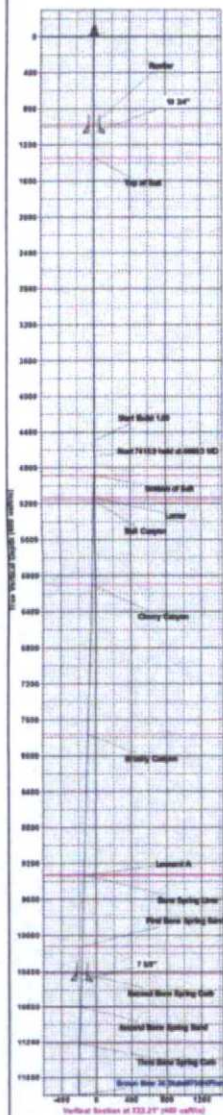
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Orig	VFace	VSecl	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	4800.0	0.00	0.00	4800.0	0.0	0.0	0.00	0.00	0.0		
3	4885.3	1.66	142.31	4885.2	-1.9	1.8	1.00	142.21	-1.9		
4	12664.1	1.85	142.31	12661.0	-171.0	122.4	0.00	0.00	-169.1		
5	12668.0	90.19	388.96	12668.4	308.0	137.9	12.00	-142.83	310.0		
6	17389.8	90.18	388.96	12668.0	4891.0	103.0	0.00	0.00	4832.1		PBHL (Brown Bear 36 #704H)

CASING DETAILS

TVD	MD	Name	Size
10865.0	10865.0	10 3/4"	10-3/4
10800.0	10802.5	7 5/8"	7-5/8
12666	11728.5	9 1/2"	9-1/2

WELLSBONE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Nothing	Easting
PBHL (Brown Bear 36 #704H)	12668.0	4891.0	103.0	388871.00	749835.00
FTP (Brown Bear 36 #704H)	12670.0	116.0	139.0	389860.00	749871.00



REVISED PLAN 01/07/16

JAN 07 2016



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Brown Bear 36 State

#704H

OH

Plan: Plan #0.3

Standard Planning Report

06 January, 2016



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #704H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3344.0usft (Percision 612)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3344.0usft (Percision 612)
Site:	Brown Bear 36 State	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Project	Lea County, NM (NAD 27 NME)		
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	Brown Bear 36 State		
Site Position:		Northing:	398,660.00 usft
From:	Map	Easting:	748,307.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 5' 36.581 N
		Longitude:	103° 31' 53.494 W
		Grid Convergence:	0.43 °

Well	#704H		
Well Position	+N/-S	-4,820.0 usft	Northing:
	+E/-W	1,225.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 4' 48.793 N
		Longitude:	103° 31' 39.673 W
		Ground Level:	3,319.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	12/11/2015	7.09
			Dip Angle
			59.96
			Field Strength
			48,014

Design	Plan #0.3		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			1.22

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,665.3	1.65	142.21	4,665.2	-1.9	1.5	1.00	1.00	0.00	142.21	
12,084.1	1.65	142.21	12,081.0	-171.0	132.6	0.00	0.00	0.00	0.00	
12,846.6	90.18	359.56	12,569.4	308.0	137.5	12.00	11.61	-18.71	-142.63	
17,369.8	90.18	359.56	12,555.0	4,831.0	103.0	0.00	0.00	0.00	0.00	PBHL (Brown Bear 36)



EOG Resources, Inc.
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Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3344.0usft (Percision 612)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3344.0usft (Percision 612)
Site:	Brown Bear 36 State	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned 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	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
979.0	0.00	0.00	979.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,065.0	0.00	0.00	1,065.0	0.0	0.0	0.0	0.00	0.00	0.00
10 3/4"									
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,345.0	0.00	0.00	1,345.0	0.0	0.0	0.0	0.00	0.00	0.00
Top of Salt									
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	1.00	142.21	4,600.0	-0.7	0.5	-0.7	1.00	1.00	0.00



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Site:	Brown Bear 36 State	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned 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)	
4,665.3	1.65	142.21	4,665.2	-1.9	1.5	-1.9	1.00	1.00	0.00	
4,700.0	1.65	142.21	4,700.0	-2.7	2.1	-2.6	0.00	0.00	0.00	
4,800.0	1.65	142.21	4,799.9	-5.0	3.8	-4.9	0.00	0.00	0.00	
4,889.1	1.65	142.21	4,889.0	-7.0	5.4	-6.9	0.00	0.00	0.00	
Bottom of Salt										
4,900.0	1.65	142.21	4,899.9	-7.2	5.6	-7.1	0.00	0.00	0.00	
5,000.0	1.65	142.21	4,999.8	-9.5	7.4	-9.4	0.00	0.00	0.00	
5,100.0	1.65	142.21	5,099.8	-11.8	9.1	-11.6	0.00	0.00	0.00	
5,134.2	1.65	142.21	5,134.0	-12.6	9.7	-12.4	0.00	0.00	0.00	
Lamar										
5,161.2	1.65	142.21	5,161.0	-13.2	10.2	-13.0	0.00	0.00	0.00	
Bell Canyon										
5,200.0	1.65	142.21	5,199.8	-14.1	10.9	-13.8	0.00	0.00	0.00	
5,300.0	1.65	142.21	5,299.7	-16.3	12.7	-16.1	0.00	0.00	0.00	
5,400.0	1.65	142.21	5,399.7	-18.6	14.4	-18.3	0.00	0.00	0.00	
5,500.0	1.65	142.21	5,499.6	-20.9	16.2	-20.6	0.00	0.00	0.00	
5,600.0	1.65	142.21	5,599.6	-23.2	18.0	-22.8	0.00	0.00	0.00	
5,700.0	1.65	142.21	5,699.5	-25.5	19.7	-25.0	0.00	0.00	0.00	
5,800.0	1.65	142.21	5,799.5	-27.7	21.5	-27.3	0.00	0.00	0.00	
5,900.0	1.65	142.21	5,899.5	-30.0	23.3	-29.5	0.00	0.00	0.00	
6,000.0	1.65	142.21	5,999.4	-32.3	25.0	-31.8	0.00	0.00	0.00	
6,100.0	1.65	142.21	6,099.4	-34.6	26.8	-34.0	0.00	0.00	0.00	
6,104.6	1.65	142.21	6,104.0	-34.7	26.9	-34.1	0.00	0.00	0.00	
Cherry Canyon										
6,200.0	1.65	142.21	6,199.3	-36.9	28.6	-36.2	0.00	0.00	0.00	
6,300.0	1.65	142.21	6,299.3	-39.1	30.3	-38.5	0.00	0.00	0.00	
6,400.0	1.65	142.21	6,399.3	-41.4	32.1	-40.7	0.00	0.00	0.00	
6,500.0	1.65	142.21	6,499.2	-43.7	33.9	-43.0	0.00	0.00	0.00	
6,600.0	1.65	142.21	6,599.2	-46.0	35.7	-45.2	0.00	0.00	0.00	
6,700.0	1.65	142.21	6,699.1	-48.3	37.4	-47.4	0.00	0.00	0.00	
6,800.0	1.65	142.21	6,799.1	-50.5	39.2	-49.7	0.00	0.00	0.00	
6,900.0	1.65	142.21	6,899.0	-52.8	41.0	-51.9	0.00	0.00	0.00	
7,000.0	1.65	142.21	6,999.0	-55.1	42.7	-54.2	0.00	0.00	0.00	
7,100.0	1.65	142.21	7,099.0	-57.4	44.5	-56.4	0.00	0.00	0.00	
7,200.0	1.65	142.21	7,198.9	-59.6	46.3	-58.6	0.00	0.00	0.00	
7,300.0	1.65	142.21	7,298.9	-61.9	48.0	-60.9	0.00	0.00	0.00	
7,400.0	1.65	142.21	7,398.8	-64.2	49.8	-63.1	0.00	0.00	0.00	
7,500.0	1.65	142.21	7,498.8	-66.5	51.6	-65.4	0.00	0.00	0.00	
7,600.0	1.65	142.21	7,598.8	-68.8	53.3	-67.6	0.00	0.00	0.00	
7,700.0	1.65	142.21	7,698.7	-71.0	55.1	-69.9	0.00	0.00	0.00	
7,761.3	1.65	142.21	7,760.0	-72.4	56.2	-71.2	0.00	0.00	0.00	
Brushy Canyon										
7,800.0	1.65	142.21	7,798.7	-73.3	56.9	-72.1	0.00	0.00	0.00	
7,900.0	1.65	142.21	7,898.6	-75.6	58.6	-74.3	0.00	0.00	0.00	
8,000.0	1.65	142.21	7,998.6	-77.9	60.4	-76.6	0.00	0.00	0.00	
8,100.0	1.65	142.21	8,098.5	-80.2	62.2	-78.8	0.00	0.00	0.00	
8,200.0	1.65	142.21	8,198.5	-82.4	63.9	-81.1	0.00	0.00	0.00	
8,300.0	1.65	142.21	8,298.5	-84.7	65.7	-83.3	0.00	0.00	0.00	
8,400.0	1.65	142.21	8,398.4	-87.0	67.5	-85.5	0.00	0.00	0.00	
8,500.0	1.65	142.21	8,498.4	-89.3	69.2	-87.8	0.00	0.00	0.00	
8,600.0	1.65	142.21	8,598.3	-91.6	71.0	-90.0	0.00	0.00	0.00	
8,700.0	1.65	142.21	8,698.3	-93.8	72.8	-92.3	0.00	0.00	0.00	
8,800.0	1.65	142.21	8,798.3	-96.1	74.5	-94.5	0.00	0.00	0.00	
8,900.0	1.65	142.21	8,898.2	-98.4	76.3	-96.7	0.00	0.00	0.00	



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Wellbore:	OH		
Design:	Plan #0.3		

Planned 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)
9,000.0	1.65	142.21	8,998.2	-100.7	78.1	-99.0	0.00	0.00	0.00
9,100.0	1.65	142.21	9,098.1	-102.9	79.8	-101.2	0.00	0.00	0.00
9,200.0	1.65	142.21	9,198.1	-105.2	81.6	-103.5	0.00	0.00	0.00
9,300.0	1.65	142.21	9,298.0	-107.5	83.4	-105.7	0.00	0.00	0.00
9,325.0	1.65	142.21	9,323.0	-108.1	83.8	-106.3	0.00	0.00	0.00
Bone Spring Lime									
9,335.0	1.65	142.21	9,333.0	-108.3	84.0	-106.5	0.00	0.00	0.00
Leonard A									
9,400.0	1.65	142.21	9,398.0	-109.8	85.1	-107.9	0.00	0.00	0.00
9,500.0	1.65	142.21	9,498.0	-112.1	86.9	-110.2	0.00	0.00	0.00
9,600.0	1.65	142.21	9,597.9	-114.3	88.7	-112.4	0.00	0.00	0.00
9,700.0	1.65	142.21	9,697.9	-116.6	90.4	-114.7	0.00	0.00	0.00
9,800.0	1.65	142.21	9,797.8	-118.9	92.2	-116.9	0.00	0.00	0.00
9,900.0	1.65	142.21	9,897.8	-121.2	94.0	-119.1	0.00	0.00	0.00
10,000.0	1.65	142.21	9,997.8	-123.5	95.7	-121.4	0.00	0.00	0.00
10,100.0	1.65	142.21	10,097.7	-125.7	97.5	-123.6	0.00	0.00	0.00
10,127.3	1.65	142.21	10,125.0	-126.4	98.0	-124.2	0.00	0.00	0.00
First Bone Spring Sand									
10,200.0	1.65	142.21	10,197.7	-128.0	99.3	-125.9	0.00	0.00	0.00
10,300.0	1.65	142.21	10,297.6	-130.3	101.0	-128.1	0.00	0.00	0.00
10,400.0	1.65	142.21	10,397.6	-132.6	102.8	-130.4	0.00	0.00	0.00
10,427.4	1.65	142.21	10,425.0	-133.2	103.3	-131.0	0.00	0.00	0.00
Second Bone Spring Carb									
10,500.0	1.65	142.21	10,497.6	-134.9	104.6	-132.6	0.00	0.00	0.00
10,502.5	1.65	142.21	10,500.0	-134.9	104.6	-132.6	0.00	0.00	0.00
7 5/8"									
10,600.0	1.65	142.21	10,597.5	-137.1	106.3	-134.8	0.00	0.00	0.00
10,700.0	1.65	142.21	10,697.5	-139.4	108.1	-137.1	0.00	0.00	0.00
10,800.0	1.65	142.21	10,797.4	-141.7	109.9	-139.3	0.00	0.00	0.00
10,812.6	1.65	142.21	10,810.0	-142.0	110.1	-139.6	0.00	0.00	0.00
Second Bone Spring Sand									
10,900.0	1.65	142.21	10,897.4	-144.0	111.6	-141.6	0.00	0.00	0.00
11,000.0	1.65	142.21	10,997.3	-146.2	113.4	-143.8	0.00	0.00	0.00
11,100.0	1.65	142.21	11,097.3	-148.5	115.2	-146.0	0.00	0.00	0.00
11,200.0	1.65	142.21	11,197.3	-150.8	116.9	-148.3	0.00	0.00	0.00
11,227.8	1.65	142.21	11,225.0	-151.4	117.4	-148.9	0.00	0.00	0.00
Third Bone Spring Carb									
11,300.0	1.65	142.21	11,297.2	-153.1	118.7	-150.5	0.00	0.00	0.00
11,400.0	1.65	142.21	11,397.2	-155.4	120.5	-152.8	0.00	0.00	0.00
11,500.0	1.65	142.21	11,497.1	-157.6	122.2	-155.0	0.00	0.00	0.00
11,600.0	1.65	142.21	11,597.1	-159.9	124.0	-157.2	0.00	0.00	0.00
11,700.0	1.65	142.21	11,697.1	-162.2	125.8	-159.5	0.00	0.00	0.00
11,800.0	1.65	142.21	11,797.0	-164.5	127.5	-161.7	0.00	0.00	0.00
11,900.0	1.65	142.21	11,897.0	-166.8	129.3	-164.0	0.00	0.00	0.00
11,919.0	1.65	142.21	11,916.0	-167.2	129.6	-164.4	0.00	0.00	0.00
Third Bone Spring Sand									
12,000.0	1.65	142.21	11,996.9	-169.0	131.1	-166.2	0.00	0.00	0.00
12,084.1	1.65	142.21	12,081.0	-171.0	132.6	-168.1	0.00	0.00	0.00
12,100.0	1.16	59.15	12,096.9	-171.1	132.8	-168.2	12.00	-3.09	-523.97
12,125.0	3.73	15.16	12,121.9	-170.1	133.3	-167.3	12.00	10.25	-175.94
12,150.0	6.66	8.18	12,146.8	-167.9	133.7	-165.0	12.00	11.75	-27.91
12,175.0	9.64	5.48	12,171.5	-164.4	134.1	-161.5	12.00	11.91	-10.81
12,200.0	12.63	4.05	12,196.0	-159.6	134.5	-156.7	12.00	11.95	-5.73



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #704H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3344.0usft (Percision 612)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3344.0usft (Percision 612)
Site:	Brown Bear 36 State	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned 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)
12,225.0	15.62	3.16	12,220.3	-153.5	134.9	-150.6	12.00	11.97	-3.57
12,250.0	18.61	2.55	12,244.2	-146.1	135.2	-143.2	12.00	11.98	-2.44
12,275.0	21.61	2.10	12,267.6	-137.6	135.6	-134.6	12.00	11.98	-1.79
12,300.0	24.61	1.76	12,290.6	-127.8	135.9	-124.8	12.00	11.99	-1.37
12,325.0	27.61	1.48	12,313.1	-116.8	136.2	-113.8	12.00	11.99	-1.09
12,350.0	30.60	1.26	12,334.9	-104.6	136.5	-101.7	12.00	11.99	-0.89
12,375.0	33.60	1.08	12,356.1	-91.3	136.8	-88.4	12.00	11.99	-0.75
12,378.5	34.02	1.05	12,359.0	-89.4	136.8	-86.4	12.00	11.99	-0.68
Wolfcamp									
12,400.0	36.60	0.92	12,376.5	-76.9	137.0	-74.0	12.00	11.99	-0.63
12,425.0	39.60	0.78	12,396.2	-61.5	137.3	-58.6	12.00	12.00	-0.55
12,450.0	42.60	0.66	12,415.0	-45.1	137.5	-42.2	12.00	12.00	-0.49
12,475.0	45.60	0.55	12,433.0	-27.7	137.6	-24.8	12.00	12.00	-0.43
12,500.0	48.60	0.45	12,450.0	-9.4	137.8	-6.5	12.00	12.00	-0.39
12,525.0	51.60	0.36	12,466.1	9.8	137.9	12.7	12.00	12.00	-0.36
12,550.0	54.60	0.28	12,481.1	29.8	138.1	32.7	12.00	12.00	-0.33
12,575.0	57.59	0.20	12,495.0	50.5	138.1	53.5	12.00	12.00	-0.31
12,600.0	60.59	0.13	12,507.8	72.0	138.2	74.9	12.00	12.00	-0.29
12,625.0	63.59	0.06	12,519.5	94.1	138.2	97.0	12.00	12.00	-0.27
12,650.0	66.59	0.00	12,530.1	116.7	138.3	119.6	12.00	12.00	-0.26
12,658.7	67.64	359.98	12,533.5	124.8	138.2	127.7	12.00	12.00	-0.25
FTP (Brown Bear 36 #704H)									
12,673.0	69.35	359.94	12,538.7	138.0	138.2	140.9	12.00	12.00	-0.24
Wolfcamp U1									
12,675.0	69.59	359.94	12,539.4	139.9	138.2	142.8	12.00	12.00	-0.24
12,700.0	72.59	359.88	12,547.5	163.6	138.2	166.5	12.00	12.00	-0.23
12,714.4	74.32	359.85	12,551.6	177.4	138.2	180.3	12.00	12.00	-0.23
Top of Window									
12,725.0	75.59	359.82	12,554.4	187.6	138.1	190.5	12.00	12.00	-0.23
12,750.0	78.59	359.77	12,559.9	212.0	138.1	214.9	12.00	12.00	-0.22
12,775.0	81.59	359.71	12,564.2	236.6	137.9	239.5	12.00	12.00	-0.22
12,800.0	84.59	359.66	12,567.2	261.4	137.8	264.3	12.00	12.00	-0.21
12,825.0	87.59	359.61	12,569.0	286.4	137.6	289.2	12.00	12.00	-0.21
12,846.6	90.18	359.56	12,569.4	308.0	137.5	310.8	12.00	12.00	-0.21
12,900.0	90.18	359.56	12,569.2	361.3	137.1	364.2	0.00	0.00	0.00
13,000.0	90.18	359.56	12,568.9	461.3	136.3	464.1	0.00	0.00	0.00
13,100.0	90.18	359.56	12,568.6	561.3	135.6	564.1	0.00	0.00	0.00
13,200.0	90.18	359.56	12,568.2	661.3	134.8	664.1	0.00	0.00	0.00
13,300.0	90.18	359.56	12,567.9	761.3	134.0	764.0	0.00	0.00	0.00
13,400.0	90.18	359.56	12,567.6	861.3	133.3	864.0	0.00	0.00	0.00
13,500.0	90.18	359.56	12,567.3	961.3	132.5	963.9	0.00	0.00	0.00
13,600.0	90.18	359.56	12,567.0	1,061.3	131.7	1,063.9	0.00	0.00	0.00
13,700.0	90.18	359.56	12,566.7	1,161.3	131.0	1,163.8	0.00	0.00	0.00
13,800.0	90.18	359.56	12,566.3	1,261.3	130.2	1,263.8	0.00	0.00	0.00
13,900.0	90.18	359.56	12,566.0	1,361.3	129.5	1,363.8	0.00	0.00	0.00
14,000.0	90.18	359.56	12,565.7	1,461.3	128.7	1,463.7	0.00	0.00	0.00
14,037.3	90.18	359.56	12,565.6	1,498.6	128.4	1,501.0	0.00	0.00	0.00
TGT#1(Brown Bear 36 #704H)									
14,100.0	90.18	359.56	12,565.4	1,561.3	127.9	1,563.7	0.00	0.00	0.00
14,200.0	90.18	359.56	12,565.1	1,661.3	127.2	1,663.6	0.00	0.00	0.00
14,300.0	90.18	359.56	12,564.8	1,761.3	126.4	1,763.6	0.00	0.00	0.00
14,400.0	90.18	359.56	12,564.4	1,861.3	125.6	1,863.5	0.00	0.00	0.00
14,500.0	90.18	359.56	12,564.1	1,961.3	124.9	1,963.5	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #704H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3344.0usft (Percision 612)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3344.0usft (Percision 612)
Site:	Brown Bear 36 State	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Planned 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)
14,600.0	90.18	359.56	12,563.8	2,061.3	124.1	2,063.5	0.00	0.00	0.00
14,700.0	90.18	359.56	12,563.5	2,161.3	123.4	2,163.4	0.00	0.00	0.00
14,800.0	90.18	359.56	12,563.2	2,261.3	122.6	2,263.4	0.00	0.00	0.00
14,900.0	90.18	359.56	12,562.8	2,361.3	121.8	2,363.3	0.00	0.00	0.00
15,000.0	90.18	359.56	12,562.5	2,461.3	121.1	2,463.3	0.00	0.00	0.00
15,100.0	90.18	359.56	12,562.2	2,561.3	120.3	2,563.2	0.00	0.00	0.00
15,200.0	90.18	359.56	12,561.9	2,661.3	119.5	2,663.2	0.00	0.00	0.00
15,300.0	90.18	359.56	12,561.6	2,761.3	118.8	2,763.2	0.00	0.00	0.00
15,400.0	90.18	359.56	12,561.3	2,861.3	118.0	2,863.1	0.00	0.00	0.00
15,500.0	90.18	359.56	12,560.9	2,961.3	117.3	2,963.1	0.00	0.00	0.00
15,537.6	90.18	359.56	12,560.8	2,998.8	117.0	3,000.7	0.00	0.00	0.00
TGT#2(Brown Bear 36 #704H)									
15,600.0	90.18	359.56	12,560.6	3,061.3	116.5	3,063.0	0.00	0.00	0.00
15,700.0	90.18	359.56	12,560.3	3,161.2	115.7	3,163.0	0.00	0.00	0.00
15,800.0	90.18	359.56	12,560.0	3,261.2	115.0	3,263.0	0.00	0.00	0.00
15,900.0	90.18	359.56	12,559.7	3,361.2	114.2	3,362.9	0.00	0.00	0.00
16,000.0	90.18	359.56	12,559.4	3,461.2	113.4	3,462.9	0.00	0.00	0.00
16,100.0	90.18	359.56	12,559.0	3,561.2	112.7	3,562.8	0.00	0.00	0.00
16,200.0	90.18	359.56	12,558.7	3,661.2	111.9	3,662.8	0.00	0.00	0.00
16,300.0	90.18	359.56	12,558.4	3,761.2	111.2	3,762.7	0.00	0.00	0.00
16,400.0	90.18	359.56	12,558.1	3,861.2	110.4	3,862.7	0.00	0.00	0.00
16,500.0	90.18	359.56	12,557.8	3,961.2	109.6	3,962.7	0.00	0.00	0.00
16,600.0	90.18	359.56	12,557.4	4,061.2	108.9	4,062.6	0.00	0.00	0.00
16,700.0	90.18	359.56	12,557.1	4,161.2	108.1	4,162.6	0.00	0.00	0.00
16,800.0	90.18	359.56	12,556.8	4,261.2	107.3	4,262.5	0.00	0.00	0.00
16,900.0	90.18	359.56	12,556.5	4,361.2	106.6	4,362.5	0.00	0.00	0.00
17,000.0	90.18	359.56	12,556.2	4,461.2	105.8	4,462.4	0.00	0.00	0.00
17,100.0	90.18	359.56	12,555.9	4,561.2	105.1	4,562.4	0.00	0.00	0.00
17,200.0	90.18	359.56	12,555.5	4,661.2	104.3	4,662.4	0.00	0.00	0.00
17,300.0	90.18	359.56	12,555.2	4,761.2	103.5	4,762.3	0.00	0.00	0.00
17,329.5	90.18	359.56	12,555.1	4,790.7	103.3	4,791.8	0.00	0.00	0.00
5 1/2"									
17,369.8	90.18	359.56	12,555.0	4,831.0	103.0	4,832.1	0.00	0.00	0.00
PBHL (Brown Bear 36 #704H)									

Design Targets

Target Name	Dip Angle (")	Dip Dir. (")	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL (Brown Bear 36 #)	90.00	359.57	12,555.0	4,831.0	103.0	398,671.00	749,635.00	32° 5' 36.591 N	103° 31' 38.057 W
- plan hits target center									
- Rectangle (sides W60.0 H0.0 D4,724.0)									
FTP (Brown Bear 36 #7)	0.00	0.00	12,570.0	110.0	139.0	393,950.00	749,671.00	32° 4' 49.872 N	103° 31' 38.048 W
- plan misses target center by 39.4usft at 12658.7usft MD (12533.5 TVD, 124.8 N, 138.2 E)									
- Point									



EOG Resources, Inc.
Planning Report

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Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3344.0usft (Precision 612)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3344.0usft (Precision 612)
Site:	Brown Bear 36 State	North Reference:	Grid
Well:	#704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.3		

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,065.0	1,065.0	10 3/4"	10-3/4	12-1/4
10,502.5	10,500.0	7 5/8"	7-5/8	8-3/4
17,329.5	12,555.1	5 1/2"	5-1/2	6-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (")	Dip Direction (")
979.0	979.0	Rustler			
1,345.0	1,345.0	Top of Salt			
4,889.1	4,889.0	Bottom of Salt			
5,134.2	5,134.0	Lamar			
5,161.2	5,161.0	Bell Canyon			
6,104.6	6,104.0	Cherry Canyon			
7,761.3	7,760.0	Brushy Canyon			
9,325.0	9,323.0	Bone Spring Lime			
9,335.0	9,333.0	Leonard A			
10,127.3	10,125.0	First Bone Spring Sand			
10,427.4	10,425.0	Second Bone Spring Carb			
10,812.6	10,810.0	Second Bone Spring Sand			
11,227.8	11,225.0	Third Bone Spring Carb			
11,919.0	11,916.0	Third Bone Spring Sand			
12,378.5	12,359.0	Wolfcamp			
12,673.0	12,538.7	Wolfcamp U1		-0.13	
12,714.4	12,551.6	Top of Window		-0.13	