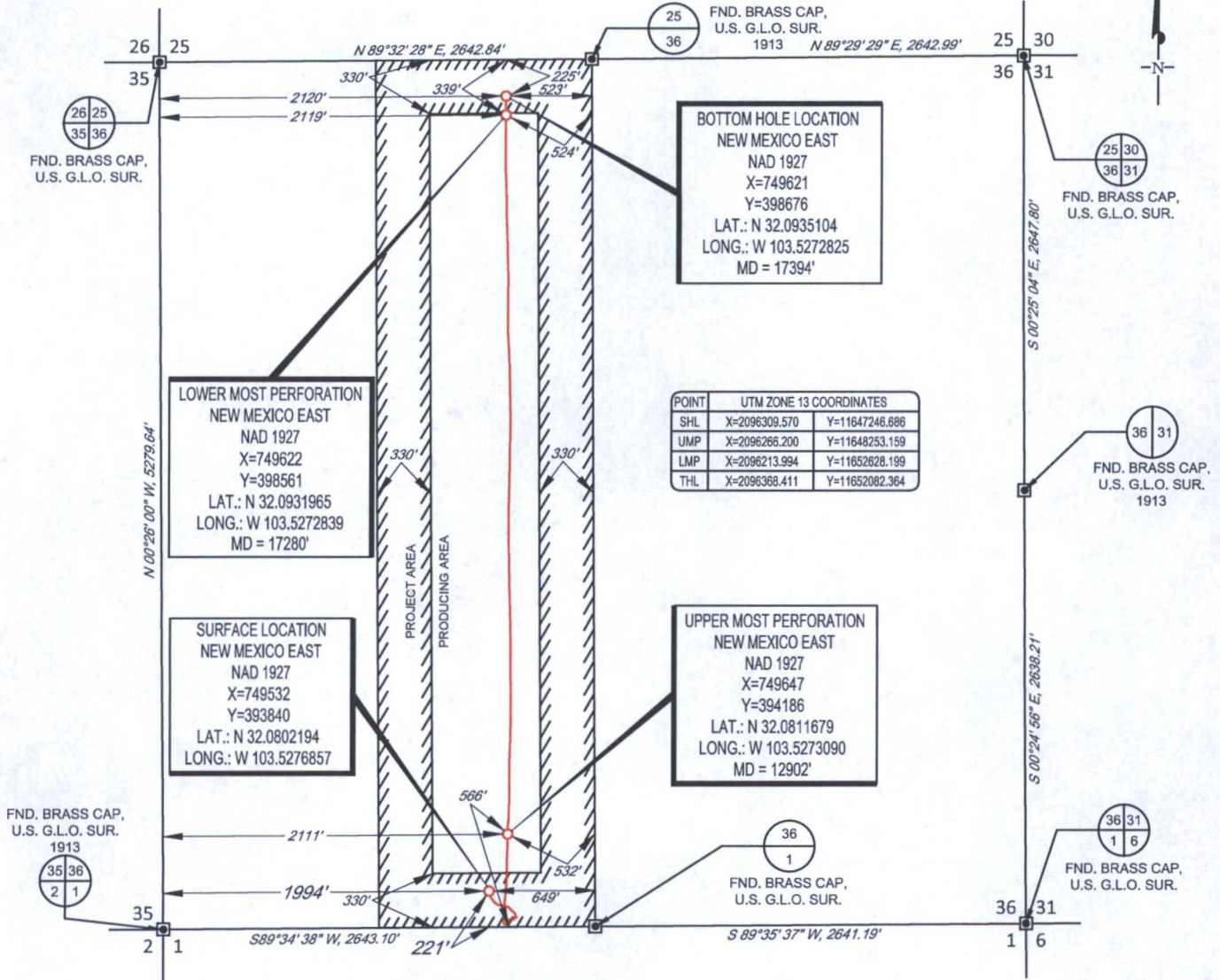


SCALE: 1" = 1000'

0' 500' 1000'

SECTION 36, TOWNSHIP 25-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

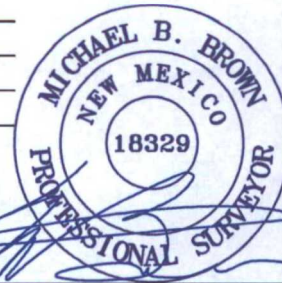


LEASE NAME & WELL NO.: BROWN BEAR 36 STATE #704H
SECTION 36 TWP 25-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3319'
DESCRIPTION 221' FSL & 1994' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 197 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7548
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
JULY 21, 2016



BROWN BEAR 36 STATE
#704H AS-COMPLETED

REVISION:

INT DATE

DATE: 07/21/16

FILE:AD_BROWNBear36STATE_704H

DRAWN BY: A.C.C.

SHEET: 1 OF 1

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1927.
3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY EOG RESOURCES, INC. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.



HOBBS OCD

SEP 12 2016

RECEIVED

EOG Resources

**Lea County, NM (NAD 27 NME)
Brown Bear 36 State
#704H**

OH

Design: OH

Standard Survey Report

22 February, 2016





Survey Report

Company:	EOG Resources	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3344.01ft (H&P 415)
Site:	Brown Bear 36 State	MD Reference:	KB = 25' @ 3344.01ft (H&P 415)
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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:	398,659.99 usft
From:	Map	Easting:	748,307.00 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	32° 5' 36.580 N
		Longitude:	103° 31' 53.494 W
		Grid Convergence:	0.43 °

Well	#704H		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft
		Latitude:	32° 4' 48.793 N
		Longitude:	103° 31' 39.673 W
		Ground Level:	3,319.01 ft

Wellbore	OH		
----------	----	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/24/2016	7.07	59.96	48,001

Design	OH		
--------	----	--	--

Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	1.22

Survey Program	Date	2/22/2016		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
116.98	1,029.00	VES Gyro (OH)	CT_GYRO_MS	Continuous Gyro Multishot
1,055.00	17,395.00	DrilTech MWD (OH)	MWD	MWD - Standard

Survey	Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	116.98	0.58	195.77	116.98	-0.57	-0.16	-0.57	0.50	0.50	0.00
	206.97	0.96	171.32	206.96	-1.75	-0.17	-1.76	0.55	0.42	-27.17
	296.96	0.90	180.40	296.94	-3.21	-0.06	-3.21	0.18	-0.07	10.09
	386.95	0.87	175.80	386.92	-4.59	-0.02	-4.59	0.09	-0.03	-5.11
	476.85	0.76	185.16	476.81	-5.87	-0.02	-5.87	0.19	-0.12	10.41
	566.75	0.75	187.39	566.70	-7.05	-0.15	-7.05	0.03	-0.01	2.48
	656.65	0.73	197.87	656.59	-8.17	-0.40	-8.18	0.15	-0.02	11.66
	746.55	0.75	213.30	746.49	-9.21	-0.90	-9.23	0.22	0.02	17.16
	840.70	0.76	226.97	840.63	-10.15	-1.69	-10.19	0.19	0.01	14.52



Survey Report

Company: EOG Resources
Project: Lea County, NM (NAD 27 NME)
Site: Brown Bear 36 State
Well: #704H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #704H
TVD Reference: KB = 25' @ 3344.01ft (H&P 415)
MD Reference: KB = 25' @ 3344.01ft (H&P 415)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
934.85	0.75	215.67	934.77	-11.08	-2.51	-11.13	0.16	-0.01	-12.00
1,029.00	0.69	207.45	1,028.91	-12.08	-3.13	-12.15	0.13	-0.06	-8.73
1,055.00	0.66	207.11	1,054.91	-12.35	-3.27	-12.42	0.12	-0.12	-1.31
1,152.00	0.40	185.80	1,151.91	-13.19	-3.56	-13.26	0.33	-0.27	-21.97
1,339.00	2.10	113.50	1,338.86	-15.20	-0.48	-15.21	1.08	0.91	-38.66
1,433.00	0.50	123.50	1,432.83	-16.12	1.44	-16.08	1.71	-1.70	10.64
1,526.00	1.60	170.50	1,525.82	-17.62	1.99	-17.58	1.41	1.18	50.54
1,620.00	3.50	155.00	1,619.72	-21.52	3.42	-21.44	2.13	2.02	-16.49
1,713.00	4.80	150.80	1,712.48	-27.49	6.52	-27.34	1.43	1.40	-4.52
1,806.00	4.90	148.20	1,805.14	-34.26	10.51	-34.03	0.26	0.11	-2.80
1,900.00	4.60	146.60	1,898.82	-40.82	14.70	-40.50	0.35	-0.32	-1.70
1,993.00	4.60	143.60	1,991.52	-46.93	18.97	-46.52	0.26	0.00	-3.23
2,086.00	4.20	142.50	2,084.25	-52.64	23.25	-52.13	0.44	-0.43	-1.18
2,272.00	4.00	139.40	2,269.77	-62.97	31.62	-62.28	0.16	-0.11	-1.67
2,366.00	3.90	136.00	2,363.55	-67.75	35.97	-66.97	0.27	-0.11	-3.62
2,460.00	3.70	132.90	2,457.34	-72.12	40.42	-71.24	0.30	-0.21	-3.30
2,553.00	3.50	123.90	2,550.16	-75.74	44.97	-74.77	0.64	-0.22	-9.68
2,646.00	3.50	120.60	2,642.98	-78.77	49.77	-77.70	0.22	0.00	-3.55
2,740.00	3.90	113.70	2,736.79	-81.52	55.17	-80.33	0.64	0.43	-7.34
2,834.00	3.50	106.50	2,830.59	-83.62	60.85	-82.30	0.65	-0.43	-7.66
2,927.00	3.50	100.50	2,923.42	-84.94	66.36	-83.51	0.39	0.00	-6.45
3,021.00	3.70	101.60	3,017.23	-86.07	72.15	-84.52	0.23	0.21	1.17
3,114.00	4.40	95.60	3,110.00	-87.03	78.64	-85.33	0.88	0.75	-6.45
3,208.00	4.80	94.90	3,203.70	-87.71	86.15	-85.86	0.43	0.43	-0.74
3,302.00	5.30	106.50	3,297.34	-89.28	94.23	-87.26	1.21	0.53	12.34
3,396.00	5.50	108.60	3,390.92	-91.95	102.66	-89.75	0.30	0.21	2.23
3,490.00	5.30	110.90	3,484.50	-94.94	110.99	-92.55	0.31	-0.21	2.45
3,584.00	4.60	116.20	3,578.15	-98.15	118.42	-95.61	0.89	-0.74	5.64
3,678.00	4.20	114.20	3,671.87	-101.23	124.95	-98.54	0.46	-0.43	-2.13
3,772.00	3.90	143.80	3,765.65	-105.22	129.97	-102.43	2.22	-0.32	31.49
3,865.00	3.90	143.80	3,858.43	-110.32	133.71	-107.45	0.00	0.00	0.00
3,959.00	3.30	139.90	3,952.25	-114.97	137.34	-112.02	0.69	-0.64	-4.15
4,053.00	3.00	127.90	4,046.11	-118.55	141.03	-115.52	0.77	-0.32	-12.77
4,147.00	3.70	114.60	4,139.95	-121.33	145.72	-118.20	1.11	0.74	-14.15
4,240.00	1.40	139.90	4,232.85	-123.44	149.18	-120.24	2.70	-2.47	27.20
4,334.00	1.10	147.60	4,326.83	-125.08	150.41	-121.85	0.37	-0.32	8.19
4,427.00	1.10	129.90	4,419.81	-126.41	151.57	-123.15	0.36	0.00	-19.03
4,521.00	0.70	150.40	4,513.80	-127.49	152.55	-124.21	0.54	-0.43	21.81
4,614.00	1.90	154.10	4,606.77	-129.37	153.50	-126.07	1.29	1.29	3.98
4,707.00	1.60	142.20	4,699.73	-131.78	154.97	-128.45	0.51	-0.32	-12.80
4,801.00	2.60	145.00	4,793.67	-134.57	157.00	-131.19	1.07	1.06	2.98
4,895.00	3.90	145.50	4,887.51	-138.95	160.03	-135.51	1.38	1.38	0.53
4,989.00	2.10	157.10	4,981.38	-143.17	162.51	-139.68	2.01	-1.91	12.34



Survey Report

Company:	EOG Resources	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3344.01ft (H&P 415)
Site:	Brown Bear 36 State	MD Reference:	KB = 25' @ 3344.01ft (H&P 415)
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,083.00	1.20	165.60	5,075.34	-145.71	163.43	-142.20	0.99	-0.96	9.04
5,177.00	1.20	173.30	5,169.32	-147.64	163.79	-144.12	0.17	0.00	8.19
5,270.00	1.10	173.60	5,262.30	-149.49	164.00	-145.97	0.11	-0.11	0.32
5,363.00	1.10	173.60	5,355.29	-151.27	164.20	-147.74	0.00	0.00	0.00
5,457.00	1.10	157.50	5,449.27	-153.00	164.64	-149.46	0.33	0.00	-17.13
5,550.00	1.10	143.10	5,542.25	-154.54	165.52	-150.98	0.30	0.00	-15.48
5,643.00	0.90	144.10	5,635.24	-155.84	166.49	-152.26	0.22	-0.22	1.08
5,737.00	0.50	147.80	5,729.23	-156.79	167.14	-153.19	0.43	-0.43	3.94
5,831.00	0.50	135.00	5,823.23	-157.42	167.65	-153.82	0.12	0.00	-13.62
5,926.00	0.50	146.40	5,918.22	-158.06	168.17	-154.45	0.10	0.00	12.00
6,019.00	0.50	155.00	6,011.22	-158.77	168.57	-155.14	0.08	0.00	9.25
6,112.00	0.40	147.60	6,104.22	-159.41	168.91	-155.78	0.12	-0.11	-7.96
6,206.00	0.50	103.20	6,198.21	-159.78	169.49	-156.14	0.37	0.11	-47.23
6,300.00	0.20	90.70	6,292.21	-159.88	170.05	-156.22	0.33	-0.32	-13.30
6,394.00	0.20	130.40	6,386.21	-159.99	170.34	-156.32	0.14	0.00	42.23
6,487.00	0.00	123.90	6,479.21	-160.09	170.46	-156.42	0.22	-0.22	0.00
6,581.00	0.20	58.20	6,573.21	-160.00	170.60	-156.34	0.21	0.21	0.00
6,674.00	0.40	0.10	6,666.21	-159.59	170.74	-155.92	0.37	0.22	-62.47
6,768.00	0.20	329.70	6,760.21	-159.12	170.66	-155.45	0.26	-0.21	-32.34
6,862.00	0.20	29.00	6,854.21	-158.84	170.65	-155.17	0.21	0.00	63.09
6,955.00	0.40	0.00	6,947.21	-158.37	170.73	-154.70	0.26	0.22	-31.18
7,143.00	0.20	331.10	7,135.20	-157.43	170.57	-153.76	0.13	-0.11	-15.37
7,236.00	0.20	3.50	7,228.20	-157.12	170.51	-153.46	0.12	0.00	34.84
7,330.00	0.00	40.60	7,322.20	-156.96	170.52	-153.29	0.21	-0.21	0.00
7,425.00	1.10	259.20	7,417.20	-157.13	169.62	-153.48	1.16	1.16	0.00
7,518.00	2.10	246.40	7,510.16	-157.98	167.18	-154.39	1.14	1.08	-13.76
7,612.00	1.80	234.60	7,604.11	-159.53	164.40	-155.99	0.53	-0.32	-12.55
7,705.00	1.20	223.20	7,697.07	-161.08	162.54	-157.58	0.72	-0.65	-12.26
7,798.00	1.10	222.50	7,790.06	-162.45	161.27	-158.98	0.11	-0.11	-0.75
7,892.00	0.20	291.40	7,884.05	-163.06	160.51	-159.60	1.11	-0.96	73.30
8,079.00	1.40	229.90	8,071.03	-164.41	158.46	-161.00	0.70	0.64	-32.89
8,173.00	1.40	222.20	8,165.00	-166.00	156.81	-162.62	0.20	0.00	-8.19
8,266.00	1.40	203.90	8,257.97	-167.88	155.59	-164.53	0.48	0.00	-19.68
8,454.00	1.10	215.50	8,445.93	-171.45	153.61	-168.14	0.21	-0.16	6.17
8,548.00	0.70	219.20	8,539.92	-172.63	152.72	-169.34	0.43	-0.43	3.94
8,642.00	0.50	252.20	8,633.91	-173.20	151.97	-169.92	0.42	-0.21	35.11
8,736.00	0.70	305.10	8,727.91	-172.99	151.11	-169.74	0.60	0.21	56.28
8,830.00	0.50	310.80	8,821.90	-172.39	150.33	-169.15	0.22	-0.21	6.06
8,924.00	0.70	306.00	8,915.90	-171.79	149.55	-168.57	0.22	0.21	-5.11
9,017.00	0.90	246.20	9,008.89	-171.75	148.42	-168.55	0.88	0.22	-64.30
9,112.00	0.70	271.20	9,103.88	-172.04	147.16	-168.87	0.42	-0.21	26.32
9,205.00	0.70	331.00	9,196.88	-171.53	146.32	-168.38	0.75	0.00	64.30
9,298.00	0.70	295.80	9,289.87	-170.79	145.53	-167.65	0.46	0.00	-37.85



Survey Report

Company:	EOG Resources	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3344.01ft (H&P 415)
Site:	Brown Bear 36 State	MD Reference:	KB = 25' @ 3344.01ft (H&P 415)
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,391.00	0.90	281.00	9,382.86	-170.40	144.30	-167.29	0.31	0.22	-15.91
9,484.00	1.10	267.20	9,475.85	-170.30	142.69	-167.23	0.34	0.22	-14.84
9,578.00	1.10	266.80	9,569.83	-170.40	140.89	-167.36	0.01	0.00	-0.43
9,671.00	0.90	268.60	9,662.81	-170.47	139.27	-167.46	0.22	-0.22	1.94
9,764.00	1.20	263.50	9,755.80	-170.59	137.57	-167.63	0.34	0.32	-5.48
9,858.00	1.10	281.20	9,849.78	-170.53	135.71	-167.60	0.39	-0.11	18.83
9,951.00	1.60	258.40	9,942.75	-170.62	133.56	-167.73	0.78	0.54	-24.52
10,044.00	1.60	251.50	10,035.72	-171.29	131.06	-168.46	0.21	0.00	-7.42
10,138.00	1.40	239.20	10,129.69	-172.29	128.83	-169.51	0.40	-0.21	-13.09
10,232.00	1.40	244.50	10,223.66	-173.38	126.81	-170.64	0.14	0.00	5.64
10,325.00	1.20	246.60	10,316.63	-174.25	124.89	-171.55	0.22	-0.22	2.26
10,419.00	1.10	239.40	10,410.62	-175.10	123.21	-172.44	0.19	-0.11	-7.66
10,513.00	0.40	266.10	10,504.61	-175.58	122.10	-172.95	0.81	-0.74	28.40
10,607.00	0.50	276.60	10,598.60	-175.56	121.37	-172.94	0.14	0.11	11.17
10,701.00	0.70	301.60	10,692.60	-175.21	120.47	-172.61	0.35	0.21	26.60
10,748.00	0.70	309.00	10,739.60	-174.88	120.00	-172.29	0.19	0.00	15.74
10,801.00	1.20	329.00	10,792.59	-174.20	119.47	-171.62	1.12	0.94	37.74
10,895.00	0.70	349.10	10,886.58	-172.79	118.85	-170.22	0.63	-0.53	21.38
10,988.00	0.90	181.00	10,979.57	-172.97	118.73	-170.40	1.71	0.22	-180.75
11,082.00	0.20	124.40	11,073.57	-173.80	118.85	-171.23	0.86	-0.74	-60.21
11,175.00	2.50	175.80	11,166.54	-175.91	119.14	-173.34	2.56	2.47	55.27
11,269.00	6.20	187.90	11,260.25	-182.99	118.59	-180.42	4.03	3.94	12.87
11,362.00	5.10	191.40	11,352.80	-192.01	117.08	-189.48	1.24	-1.18	3.76
11,456.00	2.30	214.60	11,446.60	-197.66	115.18	-195.17	3.32	-2.98	24.68
11,549.00	3.50	234.10	11,539.48	-200.86	111.82	-198.44	1.65	1.29	20.97
11,644.00	3.70	243.30	11,634.29	-203.94	106.74	-201.62	0.64	0.21	9.68
11,738.00	1.90	322.50	11,728.20	-204.07	103.08	-201.83	4.07	-1.91	84.26
11,831.00	1.60	305.00	11,821.16	-202.10	101.07	-199.90	0.66	-0.32	-18.82
11,925.00	1.40	293.90	11,915.13	-200.88	98.95	-198.73	0.37	-0.21	-11.81
12,019.00	1.90	287.00	12,009.09	-199.96	96.41	-197.86	0.57	0.53	-7.34
12,113.00	2.60	323.90	12,103.02	-197.78	93.66	-195.74	1.67	0.74	39.26
12,160.00	8.10	351.50	12,149.80	-193.64	92.54	-191.63	12.59	11.70	58.72
12,207.00	13.90	355.60	12,195.92	-184.73	91.62	-182.74	12.44	12.34	8.72
12,254.00	20.40	355.60	12,240.81	-170.92	90.56	-168.95	13.83	13.83	0.00
12,300.00	27.30	358.20	12,282.85	-152.36	89.61	-150.42	15.17	15.00	5.65
12,347.00	36.80	4.50	12,322.66	-127.49	90.38	-125.54	21.40	20.21	13.40
12,392.00	41.50	6.30	12,357.55	-99.22	93.07	-97.21	10.74	10.44	4.00
12,439.00	45.60	7.50	12,391.60	-67.08	96.98	-65.00	8.90	8.72	2.55
12,486.00	50.70	6.80	12,422.95	-32.35	101.32	-30.19	10.91	10.85	-1.49
12,533.00	54.20	4.50	12,451.59	4.72	104.97	6.95	8.40	7.45	-4.89
12,580.00	55.80	2.80	12,478.55	43.14	107.42	45.42	4.51	3.40	-3.62
12,627.00	57.50	0.50	12,504.39	82.38	108.54	84.67	5.46	3.62	-4.89
12,674.00	66.50	0.30	12,526.43	123.83	108.83	126.12	19.15	19.15	-0.43
12,721.00	75.50	1.70	12,541.72	168.22	109.62	170.51	19.35	19.15	2.98



Survey Report

Company:	EOG Resources	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3344.01ft (H&P 415)
Site:	Brown Bear 36 State	MD Reference:	KB = 25' @ 3344.01ft (H&P 415)
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,768.00	76.90	1.70	12,552.93	213.84	110.97	216.15	2.98	2.98	0.00
12,815.00	77.10	1.60	12,563.50	259.62	112.29	261.95	0.47	0.43	-0.21
12,862.00	80.80	1.00	12,572.51	305.73	113.33	308.07	7.97	7.87	-1.28
12,897.00	85.20	0.80	12,576.78	340.45	113.88	342.80	12.58	12.57	-0.57
12,960.00	89.70	3.50	12,579.58	403.32	116.24	405.71	8.33	7.14	4.29
12,991.00	90.60	4.90	12,579.50	434.24	118.51	436.66	5.37	2.90	4.52
13,084.00	90.60	2.40	12,578.52	527.04	124.43	529.57	2.69	0.00	-2.69
13,177.00	87.80	358.70	12,579.82	620.00	125.33	622.53	4.99	-3.01	-3.98
13,271.00	89.60	0.50	12,581.95	713.96	124.67	716.46	2.71	1.91	1.91
13,365.00	91.00	1.00	12,581.46	807.95	125.90	810.45	1.58	1.49	0.53
13,459.00	91.00	2.10	12,579.82	901.90	128.44	904.43	1.17	0.00	1.17
13,552.00	90.10	1.00	12,578.93	994.86	130.96	997.42	1.53	-0.97	-1.18
13,646.00	88.30	359.80	12,580.24	1,088.84	131.61	1,091.40	2.30	-1.91	-1.28
13,740.00	88.90	0.30	12,582.54	1,182.82	131.70	1,185.35	0.83	0.64	0.53
13,833.00	87.30	358.20	12,585.62	1,275.75	130.48	1,278.24	2.84	-1.72	-2.26
13,926.00	88.20	359.30	12,589.27	1,368.65	128.45	1,371.08	1.53	0.97	1.18
14,019.00	90.10	1.20	12,590.65	1,461.63	128.86	1,464.04	2.89	2.04	2.04
14,114.00	92.00	359.30	12,588.91	1,556.61	129.28	1,559.01	2.83	2.00	-2.00
14,206.00	89.20	358.70	12,587.95	1,648.58	127.67	1,650.92	3.11	-3.04	-0.65
14,300.00	88.30	358.40	12,590.00	1,742.52	125.29	1,744.80	1.01	-0.96	-0.32
14,394.00	91.80	357.90	12,589.92	1,836.46	122.26	1,838.65	3.76	3.72	-0.53
14,425.00	90.80	357.50	12,589.21	1,867.43	121.01	1,869.58	3.47	-3.23	-1.29
14,488.00	90.60	358.60	12,588.44	1,930.38	118.87	1,932.48	1.77	-0.32	1.75
14,581.00	90.30	359.60	12,587.71	2,023.37	117.41	2,025.41	1.12	-0.32	1.08
14,612.00	91.30	0.50	12,587.28	2,054.37	117.44	2,056.40	4.34	3.23	2.90
14,674.00	88.30	357.90	12,587.50	2,116.35	116.57	2,118.35	6.40	-4.84	-4.19
14,736.00	90.30	358.00	12,588.25	2,178.30	114.35	2,180.24	3.23	3.23	0.16
14,829.00	92.60	1.40	12,585.90	2,271.25	113.87	2,273.16	4.41	2.47	3.66
14,922.00	92.40	0.10	12,581.84	2,364.15	115.08	2,366.06	1.41	-0.22	-1.40
15,017.00	91.30	1.90	12,578.78	2,459.08	116.74	2,461.01	2.22	-1.16	1.89
15,110.00	90.40	1.00	12,577.40	2,552.04	119.09	2,554.00	1.37	-0.97	-0.97
15,203.00	91.10	1.90	12,576.18	2,645.00	121.45	2,646.99	1.23	0.75	0.97
15,297.00	91.30	1.40	12,574.21	2,738.94	124.15	2,740.96	0.57	0.21	-0.53
15,390.00	90.10	0.00	12,573.07	2,831.92	125.29	2,833.95	1.98	-1.29	-1.51
15,483.00	89.20	358.40	12,573.64	2,924.91	123.99	2,926.88	1.97	-0.97	-1.72
15,577.00	89.90	359.30	12,574.38	3,018.88	122.10	3,020.80	1.21	0.74	0.96
15,671.00	90.30	358.60	12,574.22	3,112.87	120.38	3,114.72	0.86	0.43	-0.74
15,765.00	91.30	358.00	12,572.90	3,206.81	117.59	3,208.59	1.24	1.06	-0.64
15,858.00	90.40	355.90	12,571.52	3,299.67	112.64	3,301.32	2.46	-0.97	-2.26
15,951.00	89.70	358.70	12,571.44	3,392.55	108.26	3,394.09	3.10	-0.75	3.01
16,045.00	90.40	358.90	12,571.36	3,486.53	106.29	3,488.00	0.77	0.74	0.21
16,139.00	92.90	0.70	12,568.66	3,580.48	105.97	3,581.93	3.28	2.66	1.91
16,232.00	90.60	0.70	12,565.82	3,673.42	107.10	3,674.87	2.47	-2.47	0.00



Survey Report

Company:	EOG Resources	Local Co-ordinate Reference:	Well #704H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25' @ 3344.01ft (H&P 415)
Site:	Brown Bear 36 State	MD Reference:	KB = 25' @ 3344.01ft (H&P 415)
Well:	#704H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
16,326.00	89.40	359.60	12,565.82	3,767.42	107.35	3,768.85	1.73	-1.28	-1.17
16,420.00	90.40	357.50	12,565.98	3,861.38	104.97	3,862.74	2.47	1.06	-2.23
16,513.00	92.90	358.60	12,563.30	3,954.28	101.81	3,955.55	2.94	2.69	1.18
16,607.00	91.00	358.70	12,560.10	4,048.20	99.59	4,049.40	2.02	-2.02	0.11
16,700.00	90.30	357.50	12,559.05	4,141.14	96.51	4,142.25	1.49	-0.75	-1.29
16,794.00	89.00	0.70	12,559.62	4,235.11	95.03	4,236.17	3.67	-1.38	3.40
16,887.00	88.70	356.30	12,561.49	4,328.04	92.60	4,329.03	4.74	-0.32	-4.73
16,980.00	88.90	0.10	12,563.44	4,420.95	89.68	4,421.86	4.09	0.22	4.09
17,074.00	92.00	359.60	12,562.70	4,514.94	89.43	4,515.82	3.34	3.30	-0.53
17,167.00	90.10	0.30	12,561.00	4,607.92	89.35	4,608.78	2.18	-2.04	0.75
17,211.00	89.60	359.80	12,561.11	4,651.92	89.39	4,652.77	1.61	-1.14	-1.14
17211'MD Final MWD Survey									
17,395.00	89.60	359.80	12,562.40	4,835.91	88.75	4,836.71	0.00	0.00	0.00
17395'MD Projection to TD									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
17,211.00	12,561.11	4,651.92	89.39	17211'MD Final MWD Survey
17,395.00	12,562.40	4,835.91	88.75	17395'MD Projection to TD

Checked By: _____ Approved By: _____ Date: _____

