

Critter Creek 524-1527H

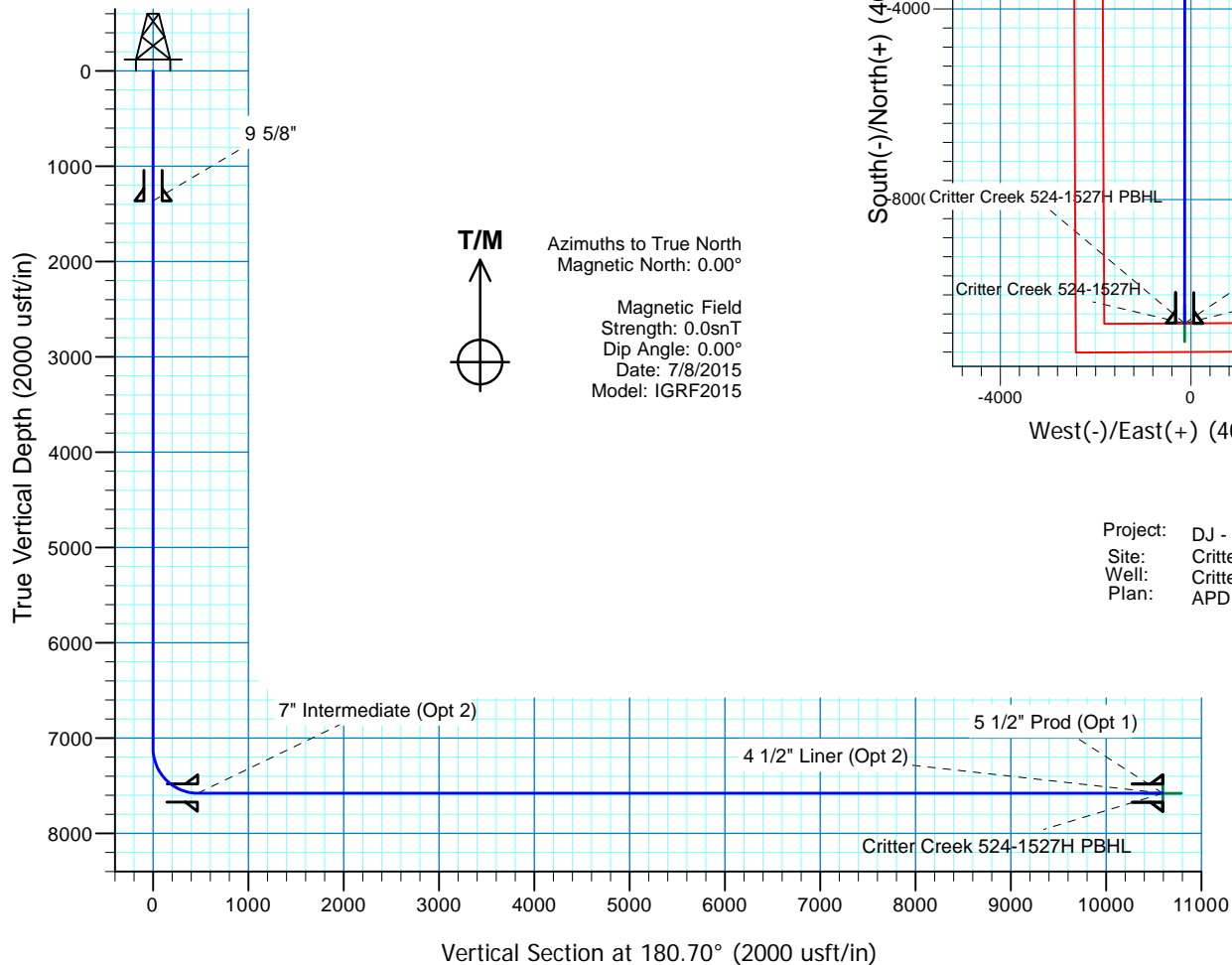
Sec.15-T11N-R63W
Weld County, Colorado

Surface Location

NAD 1927 (NADCON CONUS) Colorado North 501

Ground Elevation: 5235.0 RKB @ 5260.0usft (KB GL+25')

Northing	Easting	Latitude	Longitude
578714.07	2298749.37	40° 55' 1.084 N	104° 25' 8.725 W



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	7102.5	0.00	0.00	7102.5	0.0	0.0	0.00	0.00	0.0	
3	7852.5	90.00	191.00	7580.0	-468.7	-91.1	12.00	191.00	469.8	
4	8218.6	90.00	180.02	7580.0	-832.6	-126.2	3.00	-90.00	834.0	Critter Creek 524-1527H PBHL
5	17981.7	90.00	180.02	7580.0	-10595.6	-128.9	0.00	0.00	10596.4	Critter Creek 524-1527H PBHL

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape Point
Critter Creek 524-1527H PBHL	7580.0	-10595.6	-128.9	568117.65	2298749.59	40° 53' 16.391 N	104° 25' 10.404 W	

Denver Division- Colorado

**DJ - Hereford Ranch
Crittter Creek C15 SESW Pad
Crittter Creek 524-1527H**

OH

Plan: APD Plan (Plat Cert 4/21/15)

Standard Survey Report

09 July, 2015

EOG Resources, Inc.

Survey Report

Company:	Denver Division- Colorado	Local Co-ordinate Reference:	Well Critter Creek 524-1527H
Project:	DJ - Hereford Ranch	TVD Reference:	RKB @ 5260.0usft (KB GL+25')
Site:	Critter Creek C15 SESW Pad	MD Reference:	RKB @ 5260.0usft (KB GL+25')
Well:	Critter Creek 524-1527H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	APD Plan (Plat Cert 4/21/15)	Database:	EDM_DENVER

Project	DJ - Hereford Ranch, Weld County		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Colorado North 501		

Site	Critter Creek C15 SESW Pad		
Site Position:		Northing:	578,700.00 usft
From:	Map	Easting:	2,298,700.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	40° 55' 0.951 N
		Longitude:	104° 25' 9.370 W
		Grid Convergence:	0.70 °

Well	Critter Creek 524-1527H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	40° 55' 1.084 N
		Longitude:	104° 25' 8.725 W
		Ground Level:	5,235.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	7/8/2015	
			Dip Angle
			(°)
			Field Strength
			(nT)

Design	APD Plan (Plat Cert 4/21/15)		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			180.70

Survey Tool Program	Date	7/9/2015		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
0.0	17,981.7	APD Plan (Plat Cert 4/21/15) (OH)	MWD	MWD - Standard

Planned Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/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

EOG Resources, Inc.

Survey Report

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Project:	DJ - Hereford Ranch	TVD Reference:	RKB @ 5260.0usft (KB GL+25')
Site:	Critter Creek C15 SESW Pad	MD Reference:	RKB @ 5260.0usft (KB GL+25')
Well:	Critter Creek 524-1527H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	APD Plan (Plat Cert 4/21/15)	Database:	EDM_DENVER

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)
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
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
1,366.0	0.00	0.00	1,366.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8"									
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	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00

EOG Resources, Inc.

Survey Report

Company:	Denver Division- Colorado	Local Co-ordinate Reference:	Well Critter Creek 524-1527H
Project:	DJ - Hereford Ranch	TVD Reference:	RKB @ 5260.0usft (KB GL+25')
Site:	Critter Creek C15 SESW Pad	MD Reference:	RKB @ 5260.0usft (KB GL+25')
Well:	Critter Creek 524-1527H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	APD Plan (Plat Cert 4/21/15)	Database:	EDM_DENVER

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)
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,102.5	0.00	0.00	7,102.5	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	11.70	191.00	7,199.3	-9.7	-1.9	9.8	12.00	12.00	0.00
7,300.0	23.70	191.00	7,294.4	-39.5	-7.7	39.6	12.00	12.00	0.00
7,400.0	35.70	191.00	7,381.1	-88.1	-17.1	88.3	12.00	12.00	0.00
7,500.0	47.70	191.00	7,455.6	-153.3	-29.8	153.6	12.00	12.00	0.00
7,600.0	59.70	191.00	7,514.7	-232.2	-45.1	232.8	12.00	12.00	0.00
7,700.0	71.70	191.00	7,555.8	-321.5	-62.5	322.3	12.00	12.00	0.00
7,800.0	83.70	191.00	7,577.1	-417.3	-81.1	418.2	12.00	12.00	0.00
7,852.0	89.94	191.00	7,580.0	-468.2	-91.0	469.3	12.00	12.00	0.00
7" Intermediate (Opt 2)									
7,852.5	90.00	191.00	7,580.0	-468.7	-91.1	469.8	12.00	12.00	0.00
7,900.0	90.00	189.58	7,580.0	-515.4	-99.6	516.6	3.00	0.00	-3.00
8,000.0	90.00	186.58	7,580.0	-614.4	-113.6	615.8	3.00	0.00	-3.00
8,100.0	90.00	183.58	7,580.0	-714.0	-122.5	715.5	3.00	0.00	-3.00
8,200.0	90.00	180.58	7,580.0	-813.9	-126.1	815.4	3.00	0.00	-3.00
8,218.6	90.00	180.02	7,580.0	-832.6	-126.2	834.0	3.00	0.00	-3.00
8,300.0	90.00	180.02	7,580.0	-913.9	-126.2	915.4	0.00	0.00	0.00
8,400.0	90.00	180.02	7,580.0	-1,013.9	-126.2	1,015.4	0.00	0.00	0.00
8,500.0	90.00	180.02	7,580.0	-1,113.9	-126.3	1,115.4	0.00	0.00	0.00
8,600.0	90.00	180.02	7,580.0	-1,213.9	-126.3	1,215.4	0.00	0.00	0.00
8,700.0	90.00	180.02	7,580.0	-1,313.9	-126.3	1,315.4	0.00	0.00	0.00
8,800.0	90.00	180.02	7,580.0	-1,413.9	-126.4	1,415.4	0.00	0.00	0.00
8,900.0	90.00	180.02	7,580.0	-1,513.9	-126.4	1,515.4	0.00	0.00	0.00

EOG Resources, Inc.

Survey Report

Company:	Denver Division- Colorado	Local Co-ordinate Reference:	Well Critter Creek 524-1527H
Project:	DJ - Hereford Ranch	TVD Reference:	RKB @ 5260.0usft (KB GL+25')
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Well:	Critter Creek 524-1527H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	APD Plan (Plat Cert 4/21/15)	Database:	EDM_DENVER

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	90.00	180.02	7,580.0	-1,613.9	-126.4	1,615.4	0.00	0.00	0.00
9,100.0	90.00	180.02	7,580.0	-1,713.9	-126.4	1,715.4	0.00	0.00	0.00
9,200.0	90.00	180.02	7,580.0	-1,813.9	-126.5	1,815.3	0.00	0.00	0.00
9,300.0	90.00	180.02	7,580.0	-1,913.9	-126.5	1,915.3	0.00	0.00	0.00
9,400.0	90.00	180.02	7,580.0	-2,013.9	-126.5	2,015.3	0.00	0.00	0.00
9,500.0	90.00	180.02	7,580.0	-2,113.9	-126.6	2,115.3	0.00	0.00	0.00
9,600.0	90.00	180.02	7,580.0	-2,213.9	-126.6	2,215.3	0.00	0.00	0.00
9,700.0	90.00	180.02	7,580.0	-2,313.9	-126.6	2,315.3	0.00	0.00	0.00
9,800.0	90.00	180.02	7,580.0	-2,413.9	-126.6	2,415.3	0.00	0.00	0.00
9,900.0	90.00	180.02	7,580.0	-2,513.9	-126.7	2,515.3	0.00	0.00	0.00
10,000.0	90.00	180.02	7,580.0	-2,613.9	-126.7	2,615.3	0.00	0.00	0.00
10,100.0	90.00	180.02	7,580.0	-2,713.9	-126.7	2,715.3	0.00	0.00	0.00
10,200.0	90.00	180.02	7,580.0	-2,813.9	-126.8	2,815.3	0.00	0.00	0.00
10,300.0	90.00	180.02	7,580.0	-2,913.9	-126.8	2,915.3	0.00	0.00	0.00
10,400.0	90.00	180.02	7,580.0	-3,013.9	-126.8	3,015.3	0.00	0.00	0.00
10,500.0	90.00	180.02	7,580.0	-3,113.9	-126.8	3,115.3	0.00	0.00	0.00
10,600.0	90.00	180.02	7,580.0	-3,213.9	-126.9	3,215.2	0.00	0.00	0.00
10,700.0	90.00	180.02	7,580.0	-3,313.9	-126.9	3,315.2	0.00	0.00	0.00
10,800.0	90.00	180.02	7,580.0	-3,413.9	-126.9	3,415.2	0.00	0.00	0.00
10,900.0	90.00	180.02	7,580.0	-3,513.9	-126.9	3,515.2	0.00	0.00	0.00
11,000.0	90.00	180.02	7,580.0	-3,613.9	-127.0	3,615.2	0.00	0.00	0.00
11,100.0	90.00	180.02	7,580.0	-3,713.9	-127.0	3,715.2	0.00	0.00	0.00
11,200.0	90.00	180.02	7,580.0	-3,813.9	-127.0	3,815.2	0.00	0.00	0.00
11,300.0	90.00	180.02	7,580.0	-3,913.9	-127.1	3,915.2	0.00	0.00	0.00
11,400.0	90.00	180.02	7,580.0	-4,013.9	-127.1	4,015.2	0.00	0.00	0.00
11,500.0	90.00	180.02	7,580.0	-4,113.9	-127.1	4,115.2	0.00	0.00	0.00
11,600.0	90.00	180.02	7,580.0	-4,213.9	-127.1	4,215.2	0.00	0.00	0.00
11,700.0	90.00	180.02	7,580.0	-4,313.9	-127.2	4,315.2	0.00	0.00	0.00
11,800.0	90.00	180.02	7,580.0	-4,413.9	-127.2	4,415.2	0.00	0.00	0.00
11,900.0	90.00	180.02	7,580.0	-4,513.9	-127.2	4,515.2	0.00	0.00	0.00
12,000.0	90.00	180.02	7,580.0	-4,613.9	-127.3	4,615.2	0.00	0.00	0.00
12,100.0	90.00	180.02	7,580.0	-4,713.9	-127.3	4,715.1	0.00	0.00	0.00
12,200.0	90.00	180.02	7,580.0	-4,813.9	-127.3	4,815.1	0.00	0.00	0.00
12,300.0	90.00	180.02	7,580.0	-4,913.9	-127.3	4,915.1	0.00	0.00	0.00
12,400.0	90.00	180.02	7,580.0	-5,013.9	-127.4	5,015.1	0.00	0.00	0.00
12,500.0	90.00	180.02	7,580.0	-5,113.9	-127.4	5,115.1	0.00	0.00	0.00
12,600.0	90.00	180.02	7,580.0	-5,213.9	-127.4	5,215.1	0.00	0.00	0.00
12,700.0	90.00	180.02	7,580.0	-5,313.9	-127.5	5,315.1	0.00	0.00	0.00
12,800.0	90.00	180.02	7,580.0	-5,413.9	-127.5	5,415.1	0.00	0.00	0.00
12,900.0	90.00	180.02	7,580.0	-5,513.9	-127.5	5,515.1	0.00	0.00	0.00
13,000.0	90.00	180.02	7,580.0	-5,613.9	-127.5	5,615.1	0.00	0.00	0.00
13,100.0	90.00	180.02	7,580.0	-5,713.9	-127.6	5,715.1	0.00	0.00	0.00
13,200.0	90.00	180.02	7,580.0	-5,813.9	-127.6	5,815.1	0.00	0.00	0.00
13,300.0	90.00	180.02	7,580.0	-5,913.9	-127.6	5,915.1	0.00	0.00	0.00

EOG Resources, Inc.

Survey Report

Company:	Denver Division- Colorado	Local Co-ordinate Reference:	Well Critter Creek 524-1527H
Project:	DJ - Hereford Ranch	TVD Reference:	RKB @ 5260.0usft (KB GL+25')
Site:	Critter Creek C15 SESW Pad	MD Reference:	RKB @ 5260.0usft (KB GL+25')
Well:	Critter Creek 524-1527H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	APD Plan (Plat Cert 4/21/15)	Database:	EDM_DENVER

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)
13,400.0	90.00	180.02	7,580.0	-6,013.9	-127.7	6,015.1	0.00	0.00	0.00
13,500.0	90.00	180.02	7,580.0	-6,113.9	-127.7	6,115.0	0.00	0.00	0.00
13,600.0	90.00	180.02	7,580.0	-6,213.9	-127.7	6,215.0	0.00	0.00	0.00
13,700.0	90.00	180.02	7,580.0	-6,313.9	-127.7	6,315.0	0.00	0.00	0.00
13,800.0	90.00	180.02	7,580.0	-6,413.9	-127.8	6,415.0	0.00	0.00	0.00
13,900.0	90.00	180.02	7,580.0	-6,513.9	-127.8	6,515.0	0.00	0.00	0.00
14,000.0	90.00	180.02	7,580.0	-6,613.9	-127.8	6,615.0	0.00	0.00	0.00
14,100.0	90.00	180.02	7,580.0	-6,713.9	-127.8	6,715.0	0.00	0.00	0.00
14,200.0	90.00	180.02	7,580.0	-6,813.9	-127.9	6,815.0	0.00	0.00	0.00
14,300.0	90.00	180.02	7,580.0	-6,913.9	-127.9	6,915.0	0.00	0.00	0.00
14,400.0	90.00	180.02	7,580.0	-7,013.9	-127.9	7,015.0	0.00	0.00	0.00
14,500.0	90.00	180.02	7,580.0	-7,113.9	-128.0	7,115.0	0.00	0.00	0.00
14,600.0	90.00	180.02	7,580.0	-7,213.9	-128.0	7,215.0	0.00	0.00	0.00
14,700.0	90.00	180.02	7,580.0	-7,313.9	-128.0	7,315.0	0.00	0.00	0.00
14,800.0	90.00	180.02	7,580.0	-7,413.9	-128.0	7,415.0	0.00	0.00	0.00
14,900.0	90.00	180.02	7,580.0	-7,513.9	-128.1	7,514.9	0.00	0.00	0.00
15,000.0	90.00	180.02	7,580.0	-7,613.9	-128.1	7,614.9	0.00	0.00	0.00
15,100.0	90.00	180.02	7,580.0	-7,713.9	-128.1	7,714.9	0.00	0.00	0.00
15,200.0	90.00	180.02	7,580.0	-7,813.9	-128.2	7,814.9	0.00	0.00	0.00
15,300.0	90.00	180.02	7,580.0	-7,913.9	-128.2	7,914.9	0.00	0.00	0.00
15,400.0	90.00	180.02	7,580.0	-8,013.9	-128.2	8,014.9	0.00	0.00	0.00
15,500.0	90.00	180.02	7,580.0	-8,113.9	-128.2	8,114.9	0.00	0.00	0.00
15,600.0	90.00	180.02	7,580.0	-8,213.9	-128.3	8,214.9	0.00	0.00	0.00
15,700.0	90.00	180.02	7,580.0	-8,313.9	-128.3	8,314.9	0.00	0.00	0.00
15,800.0	90.00	180.02	7,580.0	-8,413.9	-128.3	8,414.9	0.00	0.00	0.00
15,900.0	90.00	180.02	7,580.0	-8,513.9	-128.4	8,514.9	0.00	0.00	0.00
16,000.0	90.00	180.02	7,580.0	-8,613.9	-128.4	8,614.9	0.00	0.00	0.00
16,100.0	90.00	180.02	7,580.0	-8,713.9	-128.4	8,714.9	0.00	0.00	0.00
16,200.0	90.00	180.02	7,580.0	-8,813.9	-128.4	8,814.9	0.00	0.00	0.00
16,300.0	90.00	180.02	7,580.0	-8,913.9	-128.5	8,914.8	0.00	0.00	0.00
16,400.0	90.00	180.02	7,580.0	-9,013.9	-128.5	9,014.8	0.00	0.00	0.00
16,500.0	90.00	180.02	7,580.0	-9,113.9	-128.5	9,114.8	0.00	0.00	0.00
16,600.0	90.00	180.02	7,580.0	-9,213.9	-128.6	9,214.8	0.00	0.00	0.00
16,700.0	90.00	180.02	7,580.0	-9,313.9	-128.6	9,314.8	0.00	0.00	0.00
16,800.0	90.00	180.02	7,580.0	-9,413.9	-128.6	9,414.8	0.00	0.00	0.00
16,900.0	90.00	180.02	7,580.0	-9,513.9	-128.6	9,514.8	0.00	0.00	0.00
17,000.0	90.00	180.02	7,580.0	-9,613.9	-128.7	9,614.8	0.00	0.00	0.00
17,100.0	90.00	180.02	7,580.0	-9,713.9	-128.7	9,714.8	0.00	0.00	0.00
17,200.0	90.00	180.02	7,580.0	-9,813.9	-128.7	9,814.8	0.00	0.00	0.00
17,300.0	90.00	180.02	7,580.0	-9,913.9	-128.8	9,914.8	0.00	0.00	0.00
17,400.0	90.00	180.02	7,580.0	-10,013.9	-128.8	10,014.8	0.00	0.00	0.00
17,500.0	90.00	180.02	7,580.0	-10,113.9	-128.8	10,114.8	0.00	0.00	0.00
17,600.0	90.00	180.02	7,580.0	-10,213.9	-128.8	10,214.8	0.00	0.00	0.00

EOG Resources, Inc.

Survey Report

Company:	Denver Division- Colorado	Local Co-ordinate Reference:	Well Critter Creek 524-1527H
Project:	DJ - Hereford Ranch	TVD Reference:	RKB @ 5260.0usft (KB GL+25')
Site:	Critter Creek C15 SESW Pad	MD Reference:	RKB @ 5260.0usft (KB GL+25')
Well:	Critter Creek 524-1527H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	APD Plan (Plat Cert 4/21/15)	Database:	EDM_DENVER

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)
17,700.0	90.00	180.02	7,580.0	-10,313.9	-128.9	10,314.7	0.00	0.00	0.00
17,800.0	90.00	180.02	7,580.0	-10,413.9	-128.9	10,414.7	0.00	0.00	0.00
17,900.0	90.00	180.02	7,580.0	-10,513.9	-128.9	10,514.7	0.00	0.00	0.00
17,981.0	90.00	180.02	7,580.0	-10,594.9	-128.9	10,595.7	0.00	0.00	0.00
5 1/2" Prod (Opt 1) - 4 1/2" Liner (Opt 2)									
17,981.7	90.00	180.02	7,580.0	-10,595.6	-128.9	10,596.4	0.00	0.00	0.00
Critter Creek 524-1527H PBHL									

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									
Critter Creek 524-1527H	0.00	0.00	7,580.0	-10,595.6	-128.9	568,117.65	2,298,749.59	40° 53' 16.391 N	104° 25' 10.404 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,366.0	1,366.0	9 5/8"	9-5/8	13-1/2	
7,852.0	7,580.0	7" Intermediate (Opt 2)	7	8-3/4	
17,981.0	7,580.0	5 1/2" Prod (Opt 1)	5-1/2	8-3/4	
17,981.0	7,580.0	4 1/2" Liner (Opt 2)	4-1/2	6-1/8	

Checked By: _____	Approved By: _____	Date: _____
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