



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Wild Weasel 22 Fed Com

#705H

OH

Design: OH

Final PVA Report

13 June, 2019

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Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3361.0usft
Site:	Wild Weasel 22 Fed Com	MD Reference:	KB = 22' @ 3361.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Project				Lea County, NM (NAD 83 NME)			
Map System:	US State Plane 1983	System Datum:	Mean Sea Level				
Geo Datum:	North American Datum 1983						
Map Zone:	New Mexico Eastern Zone						

Site				Wild Weasel 22 Fed Com			
Site Position:		Northing:	409,434.00 usft	Latitude:	32° 7' 21.137 N		
From:	Map	Easting:	814,510.00 usft	Longitude:	103° 27' 3.375 W		
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 "		

Well				#705H			
Well Position	+N-S	0.0 usft	Northing:	409,364.00 usft	Latitude:	32° 7' 20.490 N	
	+E-W	0.0 usft	Easting:	813,950.00 usft	Longitude:	103° 27' 9.893 W	
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,339.0 usft		

Wellbore				OH			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)		
	IGRF2015	8/28/2018	6.76	59.97	47,767.72397535		

Design				OH			
Audit Notes:							
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0		
Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (°)			
	0.0	0.0	0.0	185.74			

Survey Program		Date		6/13/2019	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
128.0	22,788.0	Leam MWD #1 (OH)	MWD	OWSG MWD - Standard	



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Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg ("/100usft)	Bulld ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0	0.0
128.0	0.26	220.21	128.0	-0.2	-0.2	0.20	0.20	0.00	-0.3	0.0	
311.0	0.09	162.24	311.0	-0.7	-0.4	0.12	-0.09	-31.68	-0.5	-0.8	
491.0	0.18	163.65	491.0	-1.1	-0.3	0.05	0.05	0.78	-1.0	-0.8	
680.0	0.18	114.26	680.0	-1.5	0.1	0.08	0.00	-26.13	-0.7	-1.3	
869.0	0.09	248.73	869.0	-1.7	0.2	0.13	-0.05	71.15	-0.4	1.8	
945.0	0.09	236.42	945.0	-1.7	0.1	0.03	0.00	-16.20	-0.9	1.5	
1,065.0	0.18	156.79	1,065.0	-1.9	0.1	0.18	0.07	-66.36	-1.8	-0.7	
1,255.0	3.25	266.48	1,254.9	-2.5	-5.2	1.74	1.62	57.73	-1.3	3.5	
1,444.0	8.44	270.88	1,442.9	-2.7	-24.4	2.75	2.75	2.33	-4.2	7.6	
1,633.0	9.06	266.48	1,629.7	-3.4	-53.1	0.48	0.33	-2.33	-6.0	14.7	
1,822.0	11.17	280.02	1,815.7	-1.1	-86.0	1.67	1.12	7.16	-0.5	21.4	
2,011.0	11.52	285.11	2,001.0	7.0	-122.3	0.56	0.19	2.69	-1.0	22.1	
2,200.0	11.26	284.08	2,188.3	16.4	-158.4	0.18	-0.14	-0.56	-4.0	21.5	
2,389.0	10.99	284.94	2,371.8	25.5	-193.7	0.17	-0.14	0.47	-5.4	21.1	
2,579.0	10.46	287.40	2,558.4	35.4	-227.6	0.37	-0.28	1.29	-5.0	19.8	
2,769.0	10.20	290.56	2,745.4	46.4	-259.9	0.33	-0.14	1.66	-3.2	16.8	
2,959.0	11.34	287.40	2,932.0	57.9	-293.4	0.68	0.60	-1.66	-4.7	13.4	
3,149.0	10.82	291.97	3,118.5	70.2	-327.8	0.54	-0.27	2.41	-5.5	10.2	
3,339.0	10.73	290.39	3,305.1	83.0	-360.9	0.16	-0.05	-0.83	-6.6	5.4	
3,529.0	11.34	284.41	3,491.6	93.8	-395.6	0.68	0.32	-3.15	-8.5	2.4	
3,719.0	10.64	283.53	3,678.1	102.6	-430.7	0.38	-0.37	-0.46	-9.8	2.1	
3,909.0	10.82	275.62	3,884.8	108.4	-465.5	0.78	0.09	-4.16	-10.6	3.2	
4,098.0	6.51	284.24	4,051.6	112.8	-493.6	2.38	-2.28	4.56	-3.4	7.1	
4,288.0	9.85	280.37	4,239.7	118.4	-520.0	1.78	1.76	-2.04	4.1	8.1	
4,478.0	8.71	266.13	4,427.2	120.3	-550.4	1.34	-0.60	-7.49	5.3	15.4	
4,668.0	7.83	260.51	4,615.2	117.2	-577.5	0.63	-0.46	-2.96	8.7	28.2	



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Site:	Wild Weasel 22 Fed Com	MD Reference:	KB = 22' @ 3361.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)	
4,858.0	7.65	271.40	4,803.5	115.4	-602.9	0.78	-0.09	5.73	22.8	35.9	
5,048.0	5.89	281.07	4,892.2	117.6	-625.1	1.10	-0.93	5.09	41.2	35.4	
5,238.0	5.72	277.20	5,181.2	120.7	-644.1	0.22	-0.09	-2.04	54.4	41.4	
5,427.0	8.44	285.47	5,368.8	125.5	-666.8	1.53	1.44	4.38	71.5	33.4	
5,617.0	11.08	285.11	5,556.0	134.0	-697.9	1.39	1.39	-0.19	74.1	32.9	
5,807.0	11.87	281.60	5,742.2	142.7	-734.6	0.55	0.42	-1.85	69.1	37.4	
5,987.0	11.34	278.44	5,928.3	149.4	-772.2	0.44	-0.28	-1.66	63.5	43.2	
6,187.0	11.52	277.38	6,114.5	154.6	-809.5	0.15	0.09	-0.56	59.8	47.9	
6,375.0	10.38	277.03	6,299.1	159.0	-845.0	0.61	-0.61	-0.19	58.1	52.1	
6,565.0	9.87	275.10	6,486.2	162.5	-877.8	0.41	-0.37	-1.02	57.9	58.6	
6,755.0	8.88	273.34	6,673.7	164.8	-908.4	0.44	-0.42	-0.93	59.9	66.2	
6,945.0	9.06	272.99	6,861.4	166.5	-938.0	0.10	0.09	-0.18	64.3	72.9	
7,134.0	8.62	278.96	7,048.2	169.4	-966.8	0.54	-0.23	3.16	77.2	70.3	
7,324.0	6.77	284.24	7,236.5	174.4	-991.7	1.04	-0.97	2.78	92.7	64.1	
7,514.0	4.57	288.12	7,425.5	180.7	-1,009.3	1.36	-1.16	7.31	112.4	36.1	
7,704.0	4.04	297.60	7,615.0	187.4	-1,021.9	0.28	-0.28	-0.27	110.7	33.8	
7,809.2	3.75	296.41	7,719.9	190.6	-1,028.2	0.28	-0.27	-1.13	104.5	35.7	
Brushy Top(WW 22 FC #705H)											
7,894.0	3.52	295.31	7,804.6	193.0	-1,033.1	0.28	-0.27	-1.30	98.4	37.6	
8,084.0	2.90	286.87	7,994.3	196.9	-1,043.0	0.41	-0.33	-4.44	81.2	50.8	
8,273.0	1.93	274.22	8,183.1	198.5	-1,050.7	0.58	-0.51	-6.69	60.3	66.2	
8,463.0	1.76	263.14	8,373.0	198.4	-1,056.8	0.21	-0.09	-5.83	40.4	76.0	
8,653.0	2.02	250.49	8,562.9	196.9	-1,062.8	0.28	0.14	-6.66	16.6	82.3	
8,842.0	2.20	235.54	8,751.8	193.8	-1,069.0	0.31	0.10	-7.91	-12.0	83.0	
9,032.0	1.93	232.56	8,941.7	189.8	-1,074.5	0.15	-0.14	-1.57	-23.2	82.1	
9,222.0	1.58	231.33	9,131.6	186.2	-1,079.1	0.19	-0.18	-0.65	-30.7	81.5	
9,416.0	1.32	230.97	9,325.5	183.1	-1,082.9	0.13	-0.13	-0.19	-36.2	81.3	



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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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9,605.0	1.32	228.58	9,514.5	180.2	-1,086.2	0.05	0.00	-2.32	-46.6	78.1	
9,795.0	2.29	325.37	9,704.4	181.8	-1,090.0	1.48	0.51	51.99	80.8	38.3	
9,985.0	2.29	303.92	9,894.2	187.1	-1,095.3	0.45	0.00	-11.29	54.6	62.0	
10,175.0	2.02	297.77	10,084.1	190.8	-1,101.4	0.19	-0.14	-3.24	40.5	67.1	
10,365.0	1.58	273.34	10,274.0	192.5	-1,108.9	0.48	-0.23	-12.86	3.5	78.4	
10,555.0	0.70	214.27	10,464.0	191.7	-1,110.2	0.72	-0.46	-31.09	-66.3	40.1	
10,744.0	1.23	105.99	10,653.0	190.2	-1,108.9	0.84	0.28	-57.29	-18.9	-76.6	
10,934.0	1.58	68.73	10,842.9	190.5	-1,104.5	0.50	0.18	-19.61	27.1	-73.6	
11,124.0	0.44	309.20	11,032.9	192.0	-1,102.6	0.97	-0.60	-62.91	51.3	57.6	
11,314.0	1.93	337.32	11,222.8	195.4	-1,104.4	0.82	0.78	14.80	68.5	27.0	
11,504.0	4.75	327.30	11,412.5	204.9	-1,109.9	1.51	1.48	-5.27	51.7	38.0	
11,693.0	4.22	325.19	11,600.9	217.2	-1,118.1	0.29	-0.28	-1.12	35.5	39.5	
11,883.0	3.61	325.54	11,790.5	227.9	-1,125.5	0.32	-0.32	0.18	22.8	39.3	
11,988.0	2.90	303.75	11,893.3	232.0	-1,129.5	1.37	-0.69	-21.16	1.0	43.8	
12,101.0	2.81	285.11	12,008.2	234.4	-1,134.6	0.81	-0.08	-16.21	-18.6	40.9	
12,196.0	11.61	170.15	12,102.6	225.5	-1,135.3	13.73	9.26	-121.01	-37.4	-36.6	
12,228.4	16.55	168.10	12,134.0	217.8	-1,133.7	15.32	15.25	-6.34	-43.6	-38.6	
HL Crossing, MD:12228.4', TVD:12134.0', N/S:217.8', E/W:-1133.7', INC:16.55											
12,291.0	26.12	166.29	12,182.2	195.6	-1,128.6	15.32	15.29	-2.89	-63.0	-40.6	
12,386.0	38.78	167.87	12,272.2	148.0	-1,117.4	13.38	13.33	1.66	-98.4	-33.6	
12,481.0	43.00	167.34	12,344.0	85.3	-1,104.0	4.46	4.44	-0.56	-124.9	-22.3	
12,576.0	46.60	173.67	12,411.5	19.3	-1,093.1	6.03	3.78	6.66	-133.2	1.8	
FTP(WW 22 FC #705H)											
12,671.0	52.08	177.89	12,473.4	-52.5	-1,087.9	6.66	5.75	4.44	-121.1	14.2	
12,765.0	58.74	178.59	12,526.7	-129.8	-1,085.6	7.13	7.11	0.74	-65.2	17.7	
12,812.0	61.55	177.71	12,550.1	-170.5	-1,084.2	6.20	5.98	-1.87	-78.0	19.2	
12,860.0	62.34	178.59	12,572.7	-212.8	-1,082.9	2.31	1.65	1.83	-56.8	21.1	



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Wellbore:	:OH	Survey Calculation Method:	Minimum Curvature
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Survey											
MD (usft)	Inc (°)	Az (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLog (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
12,907.0	67.62	179.29	12,592.5	-255.4	-1,082.1	11.31	11.23	1.49	-37.5	20.7	
12,955.0	73.95	179.82	12,608.3	-300.7	-1,081.7	13.23	13.19	1.10	-22.4	19.9	
13,002.0	78.15	180.35	12,620.5	-348.1	-1,081.8	4.81	4.68	1.13	-10.8	19.2	
13,050.0	78.61	181.05	12,630.9	-392.9	-1,082.4	5.32	5.12	1.46	-1.0	18.1	
13,097.0	84.86	180.70	12,637.7	-439.4	-1,083.1	13.32	13.30	-0.74	5.2	17.0	
13,145.0	90.13	178.94	12,639.8	-487.4	-1,082.9	11.57	10.98	-3.67	6.8	16.7	
13,240.0	89.96	178.59	12,639.7	-582.3	-1,080.9	0.41	-0.18	-0.37	5.8	18.0	
13,335.0	89.69	177.71	12,640.0	-677.3	-1,077.8	0.97	-0.28	-0.93	5.2	20.3	
13,429.0	89.78	177.36	12,640.4	-771.2	-1,073.8	0.38	0.10	-0.37	4.7	23.5	
13,522.0	87.32	176.83	12,642.8	-864.0	-1,069.1	2.71	-2.65	-0.57	6.0	27.5	
13,617.0	88.37	178.59	12,646.4	-958.9	-1,065.3	2.16	1.11	1.85	8.7	30.5	
13,711.0	87.76	177.19	12,649.5	-1,052.8	-1,061.8	1.62	-0.65	-1.49	10.9	33.1	
13,806.0	89.25	180.88	12,652.0	-1,147.7	-1,060.2	4.19	1.57	3.88	12.5	33.9	
13,901.0	89.60	181.58	12,653.0	-1,242.7	-1,062.3	0.82	0.37	0.74	12.5	31.1	
13,996.0	89.34	181.05	12,653.9	-1,337.6	-1,064.4	0.62	-0.27	-0.56	12.5	28.1	
14,091.0	86.61	177.89	12,657.2	-1,432.6	-1,063.6	4.39	-2.87	-3.33	14.8	28.2	
14,185.0	90.92	183.86	12,659.2	-1,526.5	-1,065.0	7.83	4.58	6.35	16.0	26.0	
14,280.0	89.08	182.28	12,659.2	-1,621.3	-1,070.1	2.55	-1.94	-1.66	15.0	20.1	
14,375.0	92.15	183.34	12,658.2	-1,716.2	-1,074.7	3.42	3.23	1.12	13.0	14.7	
14,470.0	94.70	186.85	12,652.5	-1,810.6	-1,083.2	4.58	2.68	3.69	6.4	5.5	
14,560.3	93.28	184.18	12,646.3	-1,900.3	-1,091.8	3.34	-1.57	-2.86	-0.7	-4.0	
TGT#1(WW 22 FC #705H)											
14,565.0	93.21	184.04	12,646.0	-1,905.0	-1,092.2	3.34	-1.57	-2.85	-1.0	-4.3	
14,660.0	91.89	182.11	12,641.8	-1,998.7	-1,097.2	2.46	-1.39	-2.03	-6.0	-10.2	
14,754.0	86.79	181.40	12,642.8	-2,093.6	-1,100.1	5.48	-5.43	-0.76	-5.7	-13.9	
14,849.0	87.76	181.58	12,647.4	-2,188.5	-1,102.6	1.04	1.02	0.19	-2.0	-17.1	
14,944.0	86.35	181.23	12,652.2	-2,283.3	-1,104.9	1.53	-1.48	-0.37	2.2	-20.3	



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Survey											
MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)	
15,039.0	87.93	179.47	12,657.0	-2,378.2	-1,105.5	2.49	1.66	-1.85	6.2	-21.6	
15,134.0	89.08	183.69	12,659.5	-2,473.1	-1,108.1	4.60	1.21	4.44	7.9	-25.1	
15,229.0	88.11	182.46	12,661.8	-2,568.0	-1,113.2	1.65	-1.02	-1.29	9.4	-31.0	
15,324.0	89.78	180.88	12,663.5	-2,662.9	-1,116.0	2.42	1.76	-1.66	10.5	-34.5	
15,418.0	89.98	176.66	12,663.8	-2,756.8	-1,114.0	4.49	0.19	-4.49	10.0	-33.3	
15,513.0	89.25	175.08	12,664.4	-2,851.6	-1,107.1	1.82	-0.75	-1.66	9.9	-27.2	
15,570.1	90.15	175.29	12,664.7	-2,908.5	-1,102.3	1.62	1.58	0.37	9.7	-22.9	
TOT#2(WW 22 FC #705H)											
15,608.0	90.75	175.43	12,664.4	-2,946.3	-1,099.3	1.62	1.58	0.37	9.1	-20.2	
15,702.0	91.98	177.01	12,662.2	-3,040.0	-1,093.1	2.13	1.31	1.68	6.0	-14.8	
15,797.0	88.46	172.97	12,661.8	-3,134.6	-1,084.8	5.64	-3.71	-4.25	4.9	-7.2	
15,892.0	93.74	175.43	12,660.0	-3,229.1	-1,075.2	6.13	5.56	2.59	2.3	1.6	
15,988.0	95.94	176.31	12,652.1	-3,322.5	-1,068.4	2.52	2.34	0.94	-8.4	7.6	
16,081.0	93.03	174.37	12,644.6	-3,416.9	-1,060.7	3.68	-3.06	-2.04	-14.7	14.4	
16,176.0	90.66	175.08	12,641.6	-3,511.4	-1,052.0	2.60	-2.49	0.75	-18.6	22.4	
16,271.0	89.78	177.01	12,641.2	-3,606.2	-1,045.4	2.23	-0.93	2.03	-19.7	28.1	
16,365.0	87.49	176.13	12,643.4	-3,700.0	-1,039.8	2.61	-2.44	-0.94	-18.4	32.9	
16,460.0	87.49	174.55	12,647.6	-3,794.6	-1,032.1	1.66	0.00	-1.66	-15.1	39.8	
16,555.0	86.00	177.19	12,653.0	-3,889.2	-1,025.3	3.19	-1.57	2.78	-10.4	45.9	
16,650.0	89.34	181.40	12,656.9	-3,984.1	-1,024.1	5.65	3.52	4.43	-7.2	48.3	
16,744.0	89.08	182.99	12,658.2	-4,078.0	-1,027.7	1.71	-0.28	1.69	-6.7	41.9	
16,839.0	91.89	184.92	12,657.4	-4,172.7	-1,034.3	3.59	2.96	2.03	-8.5	34.5	
16,934.0	89.87	187.03	12,655.8	-4,267.2	-1,044.2	3.07	-2.13	2.22	-10.7	23.9	
17,029.0	92.07	187.56	12,654.3	-4,361.4	-1,056.2	2.38	2.32	0.56	-13.1	11.0	
17,124.0	89.78	186.15	12,652.8	-4,455.7	-1,067.6	2.83	-2.41	-1.48	-15.3	-1.1	
17,218.0	88.90	185.10	12,653.8	-4,549.2	-1,078.8	1.46	-0.94	-1.12	-15.1	-11.0	
17,313.0	90.66	185.97	12,654.2	-4,643.8	-1,085.9	2.07	1.85	0.92	-15.5	-21.0	



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3361.0usft
Site:	Wild Weasel 22 Fed Com	MD Reference:	KB = 22' @ 3361.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey											
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)	
17,408.0	88.64	184.39	12,654.8	-4,738.4	-1,094.5	2.70	-2.13	-1.68	-15.8	-30.3	
17,503.0	89.08	183.51	12,656.7	-4,833.1	-1,101.0	1.04	0.46	-0.93	-14.7	-37.7	
17,587.0	87.67	181.18	12,659.1	-4,917.1	-1,104.5	3.23	-1.67	-2.77	-13.0	-41.9	
TOT#3(WW 22 FC #705H)											
17,598.0	87.49	180.88	12,659.5	-4,928.0	-1,104.7	3.23	-1.67	-2.77	-12.6	-42.2	
17,693.0	87.76	181.93	12,663.4	-5,022.9	-1,107.0	1.14	0.28	1.11	-9.7	-45.3	
17,788.0	88.29	179.47	12,666.7	-5,117.8	-1,108.2	2.65	0.56	-2.59	-7.3	-47.2	
17,883.0	93.21	178.42	12,665.5	-5,212.8	-1,106.4	5.30	5.18	-1.11	-9.5	-48.3	
17,977.0	90.75	177.01	12,662.2	-5,306.6	-1,102.7	3.02	-2.62	-1.50	-13.7	-43.3	
18,072.0	89.96	177.01	12,661.6	-5,401.5	-1,097.7	0.83	-0.83	0.00	-15.2	-39.2	
18,167.0	85.30	175.95	12,665.6	-5,496.2	-1,081.9	5.03	-4.91	-1.12	-12.0	-34.2	
18,262.0	87.14	177.36	12,671.8	-5,590.9	-1,086.4	2.44	1.94	1.48	-6.8	-29.4	
18,357.0	88.90	178.59	12,675.1	-5,685.7	-1,083.0	2.26	1.85	1.29	-4.5	-26.8	
18,452.0	88.81	178.24	12,677.0	-5,780.7	-1,080.4	0.38	-0.09	-0.37	-3.5	-25.0	
18,547.0	88.99	178.24	12,678.8	-5,875.6	-1,077.5	0.19	0.19	0.00	-2.7	-22.9	
18,596.5	89.08	177.88	12,679.7	-5,925.0	-1,075.8	0.76	0.18	-0.74	-2.3	-21.6	
TOT#4(WW 22 FC #705H)											
18,642.0	89.16	177.54	12,680.4	-5,970.5	-1,074.0	0.76	0.18	-0.74	-2.1	-20.2	
18,736.0	90.04	179.12	12,681.0	-6,064.5	-1,071.2	1.92	0.94	1.68	-2.3	-18.2	
18,831.0	86.70	175.25	12,683.7	-6,159.3	-1,066.6	5.38	-3.52	-4.07	-0.4	-14.4	
18,926.0	89.52	175.60	12,686.9	-6,253.9	-1,059.0	2.99	2.97	0.37	1.7	-7.6	
19,021.0	92.95	177.19	12,684.8	-6,348.7	-1,053.0	3.98	3.61	1.67	-1.2	-2.4	
19,116.0	93.30	176.66	12,679.6	-6,443.4	-1,047.9	0.67	0.37	-0.56	-7.3	1.9	
19,211.0	88.99	175.43	12,677.7	-6,538.2	-1,041.4	4.72	-4.54	-1.29	-10.1	7.6	
19,306.0	92.77	179.29	12,676.3	-6,633.0	-1,037.0	5.69	3.98	4.06	-12.5	11.2	
19,401.0	89.60	178.06	12,674.3	-6,728.0	-1,034.8	3.58	-3.34	-1.29	-15.3	12.6	
19,496.0	89.69	177.89	12,674.9	-6,822.9	-1,031.5	0.20	0.09	-0.18	-15.6	15.2	



Final PVA Report

Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Wild Weasel 22 Fed Corn
 Well: #705H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #705H
 TVD Reference: KB = 22' @ 3361.0usft
 MD Reference: KB = 22' @ 3361.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: EDM 5000.14

Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
19,591.0	86.70	179.29	12,677.9	-6,917.8	-1,029.1	3.47	-3.15	1.47	-13.5	16.8
19,686.0	86.44	178.94	12,683.6	-7,012.6	-1,027.7	0.46	-0.27	-0.37	-8.8	17.4
19,781.0	87.14	179.82	12,688.9	-7,107.5	-1,026.6	1.18	0.74	0.83	-4.3	17.7
19,876.0	89.78	179.65	12,691.5	-7,202.4	-1,026.2	2.78	2.78	-0.18	-2.7	17.3
19,970.0	90.13	178.94	12,691.5	-7,296.4	-1,025.0	0.84	0.37	-0.76	-3.5	17.7
20,065.0	90.48	178.42	12,691.0	-7,391.4	-1,022.9	0.66	0.37	-0.55	-4.9	19.1
20,161.0	87.85	174.02	12,692.4	-7,487.1	-1,016.5	5.34	-2.74	-4.58	-4.5	24.6
20,255.0	88.20	175.60	12,695.7	-7,580.7	-1,008.0	1.72	0.37	1.68	-2.2	32.3
20,350.0	89.78	175.25	12,697.3	-7,675.4	-1,000.5	1.70	1.68	-0.37	-1.3	39.1
20,474.0	89.78	172.79	12,697.8	-7,788.7	-987.5	1.98	0.00	-1.98	-2.1	51.0
20,569.0	91.19	177.89	12,697.0	-7,893.3	-979.8	5.57	1.48	5.37	-3.7	57.9
20,664.0	89.87	180.88	12,696.1	-7,988.3	-978.8	3.44	-1.39	3.15	-5.5	58.1
20,759.0	90.40	178.24	12,695.9	-8,083.3	-978.1	2.83	0.56	-2.78	-6.6	58.0
20,854.0	90.31	179.29	12,695.3	-8,178.3	-976.0	1.11	-0.09	1.11	-8.1	59.3
20,949.0	90.22	180.00	12,694.9	-8,273.3	-975.4	0.75	-0.09	0.75	-8.5	59.1
21,043.0	88.90	178.31	12,695.6	-8,367.2	-972.4	4.17	-1.40	-3.93	-9.7	61.3
21,138.0	89.25	182.99	12,697.1	-8,462.1	-971.8	7.04	0.37	7.03	-9.0	61.1
21,233.0	90.22	182.46	12,697.6	-8,557.0	-970.3	1.16	1.02	-0.56	-9.5	55.8
21,328.0	90.04	178.42	12,697.4	-8,652.0	-977.1	4.28	-0.19	-4.25	-10.6	54.3
21,423.0	89.87	181.40	12,697.4	-8,747.0	-976.9	3.14	-0.18	3.14	-11.4	53.6
21,517.0	90.48	182.81	12,697.1	-8,840.9	-980.4	1.63	0.65	1.50	-12.6	49.4
21,612.0	91.19	179.82	12,695.8	-8,935.9	-982.6	3.23	0.75	-3.15	-14.9	46.4
21,707.0	91.98	182.46	12,693.1	-9,030.8	-984.4	2.90	0.83	2.78	-18.5	43.7
21,802.0	90.92	180.00	12,690.7	-9,125.8	-986.5	2.82	-1.12	-2.59	-21.7	40.9
21,896.0	88.70	171.21	12,692.7	-9,219.3	-979.3	10.37	-4.49	-9.35	-21.2	47.1
21,991.0	85.82	175.78	12,698.9	-9,313.5	-968.6	4.89	-0.93	4.81	-15.6	57.2
22,086.0	86.88	180.17	12,704.9	-9,408.2	-965.2	4.74	1.12	4.62	-10.2	59.8



Final PVA Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 22' @ 3361.0usft
Site:	Wild Weasel 22 Fed Corn	MD Reference:	KB = 22' @ 3361.0usft
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
22,181.0	88.64	183.69	12,708.6	-9,503.1	-988.4	4.14	1.85	3.71	-7.3	55.8
22,276.0	90.92	184.04	12,709.0	-9,597.9	-974.8	2.43	2.40	0.37	-8.0	48.6
22,371.0	91.71	184.04	12,706.8	-9,692.6	-981.5	0.83	0.83	0.00	-11.1	41.1
22,466.0	88.99	182.11	12,706.3	-9,787.5	-986.6	3.51	-2.88	-2.03	-12.5	35.3
22,561.0	89.60	181.76	12,707.4	-9,882.4	-989.8	0.74	0.64	-0.37	-12.2	31.3
22,655.0	90.40	181.23	12,707.4	-9,976.4	-992.3	1.02	0.85	-0.56	-13.1	28.0
22,734.0	90.84	182.81	12,706.6	-10,055.3	-995.0	2.08	0.56	2.00	-14.8	24.6
Final MWD Survey (MD=22734.0')										
22,786.0	90.84	182.81	12,705.8	-10,107.2	-997.6	0.00	0.00	0.00	-16.0	21.6
Final Projection to Bit (MD=22786.0') - PBHL (WW 22 FC 6705H)										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/S (usft)	+E/W (usft)	
12,228.4	12,134.0	217.8	-1,133.7	HL Crossing, MD:12228.4', TVD:12134.0', N/S:217.8', E/W:-1133.7', INC:16.55
22,734.0	12,706.6	-10,055.3	-995.0	Final MWD Survey (MD=22734.0')
22,786.0	12,705.8	-10,107.2	-997.6	Final Projection to Bit (MD=22786.0')

Checked By: _____	Approved By: _____	Date: _____
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Lea County, NM (NAD 83 NME)

Wild Weasel 22 Fed Com #705H

Plan #1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #705H

KB = 22° @ 3361.0ust 3339.0
Northing 409364.00 Easting 813850.00 Latitude 32° 7' 20.490 N Longitude 103° 27' 9.893 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dlog	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1100.0	0.00	0.00	1100.0	0.0	0.0	0.00	0.00	0.0	
3	1630.1	10.60	283.67	1627.0	11.6	-47.5	2.00	283.67	-6.7	
4	7285.5	10.60	283.67	7186.0	257.4	-1058.5	0.00	0.00	-150.2	
5	7815.6	0.00	0.00	7713.0	269.0	-1106.0	2.00	180.00	-157.0	Brushy Top(WW 22 FC #705H)
6	12255.3	0.00	0.00	12152.7	269.0	-1106.0	0.00	0.00	-157.0	
7	13000.5	89.43	179.52	12630.1	-203.7	-1102.0	12.00	179.52	313.0	
8	14697.7	89.43	179.52	12647.0	-1900.7	-1087.8	0.00	0.00	2000.0	TGT#1(WW 22 FC #705H)
9	14703.4	89.54	179.52	12647.1	-1906.4	-1087.8	2.00	0.00	2005.7	TGT#2(WW 22 FC #705H)
10	15703.6	89.54	179.52	12655.0	-2908.6	-1079.4	0.00	0.00	3000.0	TGT#3(WW 22 FC #705H)
11	15705.1	89.52	179.52	12655.0	-2908.0	-1079.4	2.00	-180.00	3001.5	TGT#4(WW 22 FC #705H)
12	17715.5	89.52	179.52	12672.0	-4918.3	-1062.6	0.00	0.00	6000.0	
13	17719.8	89.43	179.52	12672.0	-4922.6	-1062.6	2.00	180.00	5004.2	
14	18721.5	89.43	179.52	12682.0	-5924.2	-1054.2	0.00	0.00	8000.0	
15	18722.7	89.46	179.52	12682.0	-5925.4	-1054.2	2.00	0.00	8001.2	
16	22927.0	89.46	179.52	12722.0	-10130.0	-1019.0	0.00	0.00	10181.1	PBHL (WW 22 FC #705H)

CASING DETAILS

No casing data is available

WELLS TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top(WW 22 FC #705H)	7713.0	259.0	-1106.0	409363.00	812844.00
TGT#1(WW 22 FC #705H)	12647.0	219.0	-1108.0	409353.00	812844.00
TGT#2(WW 22 FC #705H)	12647.0	-1900.7	-1087.8	407483.30	812882.15
TGT#3(WW 22 FC #705H)	12655.0	-2908.6	-1079.4	406457.40	812870.67
TGT#4(WW 22 FC #705H)	12672.0	-4918.3	-1062.6	404445.70	812887.40
PBHL (WW 22 FC #705H)	12722.0	-5924.2	-1054.2	403439.30	812895.81
			-1019.0	389234.00	812931.00

