



**EOG Resources - Midland**

Lea County, NM (NAD 27 NME)

Whirling Wind 11 Fed Com

702H

OH

Plan: Plan #2

**EOG PVA**

01 March, 2016

**HOBBS OCD**  
MAY 05 2016  
**RECEIVED**

MAY 06 2016



**EOG Resources, Inc.**  
EOG PVA

**Company:** EOG Resources - Midland  
**Project:** Lea County, NM (NAD 27 NME)  
**Site:** Whirling Wind 11 Fed Com  
**Well:** 702H  
**Wellbore:** OH  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well 702H  
**TVD Reference:** KB = 25 @ 3365.0usft (H&P 260)  
**MD Reference:** KB = 25 @ 3365.0usft (H&P 260)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

**Project:** Lea County, NM (NAD 27 NME)

**Map System:** US State Plane 1927 (Exact solution)  
**Geo Datum:** NAD 1927 (NADCON CONUS)  
**Map Zone:** New Mexico East 3001

**System Datum:** Mean Sea Level

**Site:** Whirling Wind 11 Fed Com

**Site Position:** Northing: 383,050.00 usft Latitude: 32° 3' 2.203 N  
**From:** Map Easting: 747,034.00 usft Longitude: 103° 32' 9.632 W  
**Position Uncertainty:** Slot Radius: 13-3/16 " Grid Convergence: 0.42 °

**Well:** 702H  
**Well Position:** +N/-S 0.0 usft Latitude: 32° 3' 2.203 N  
 +E/-W 0.0 usft Longitude: 103° 32' 9.632 W  
**Position Uncertainty:** Wellhead Elevation: 0.0 usft Ground Level: 3,340.0 usft

**Wellbore:** OH

**Magnetics:** Model Name IGRF2015 Sample Date 5/28/2016 Declination (°) 7.04 Dip Angle (°) 59.92 Field Strength (nT) 47,947

**Design:** Plan #2

**Audit Notes:**  
**Version:** Phase: PLAN Tie On Depth: 0.0  
**Vertical Section:** Depth From (TVD) (usft) +N/-S (usft) +E/-W (usft) Direction (°)  
 0.0 0.0 0.0 356.54

**Survey Tool Program:** Date 3/11/2016

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	19,934.7	Plan #2 (OH)	MWD	MWD - Standard



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 Grid  
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Planned 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00



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**Database:** EDM 5000.1 Single User Db

**Planned 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)
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.00	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	0.00
4,600.0	1.00	277.30	4,600.0	0.1	-0.9	1.00	1.00	0.00	0.00	0.00
4,700.0	2.00	277.30	4,700.0	0.4	-3.5	1.00	1.00	0.00	0.00	0.00
4,798.4	2.98	277.30	4,798.3	1.0	-7.7	1.00	1.00	0.00	0.00	0.00
4,800.0	2.98	277.30	4,799.9	1.0	-7.8	0.00	0.00	0.00	0.00	0.00
4,900.0	2.98	277.30	4,899.7	1.7	-13.0	0.00	0.00	0.00	0.00	0.00
5,000.0	2.98	277.30	4,999.6	2.3	-18.1	0.00	0.00	0.00	0.00	0.00
5,100.0	2.98	277.30	5,099.5	3.0	-23.3	0.00	0.00	0.00	0.00	0.00
5,200.0	2.98	277.30	5,199.3	3.6	-28.4	0.00	0.00	0.00	0.00	0.00



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**Planned 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)
5,300.0	2.98	277.30	5,295.2	4.3	-33.6	0.00	0.00	0.00	0.00	0.00
5,400.0	2.98	277.30	5,399.0	5.0	-38.8	0.00	0.00	0.00	0.00	0.00
5,500.0	2.98	277.30	5,495.9	5.6	-43.9	0.00	0.00	0.00	0.00	0.00
5,600.0	2.98	277.30	5,598.8	6.3	-49.1	0.00	0.00	0.00	0.00	0.00
5,700.0	2.98	277.30	5,698.6	6.9	-54.3	0.00	0.00	0.00	0.00	0.00
5,800.0	2.98	277.30	5,798.5	7.6	-59.4	0.00	0.00	0.00	0.00	0.00
5,900.0	2.98	277.30	5,898.4	8.3	-64.6	0.00	0.00	0.00	0.00	0.00
6,000.0	2.98	277.30	5,998.2	8.9	-69.8	0.00	0.00	0.00	0.00	0.00
6,100.0	2.98	277.30	6,098.1	9.6	-74.9	0.00	0.00	0.00	0.00	0.00
6,200.0	2.98	277.30	6,198.0	10.3	-80.1	0.00	0.00	0.00	0.00	0.00
6,300.0	2.98	277.30	6,297.8	10.9	-85.3	0.00	0.00	0.00	0.00	0.00
6,400.0	2.98	277.30	6,397.7	11.6	-90.4	0.00	0.00	0.00	0.00	0.00
6,500.0	2.98	277.30	6,497.6	12.2	-95.6	0.00	0.00	0.00	0.00	0.00
6,600.0	2.98	277.30	6,597.4	12.9	-100.7	0.00	0.00	0.00	0.00	0.00
6,700.0	2.98	277.30	6,697.3	13.6	-105.9	0.00	0.00	0.00	0.00	0.00
6,800.0	2.98	277.30	6,797.2	14.2	-111.1	0.00	0.00	0.00	0.00	0.00
6,900.0	2.98	277.30	6,897.0	14.9	-116.2	0.00	0.00	0.00	0.00	0.00
7,000.0	2.98	277.30	6,996.9	15.5	-121.4	0.00	0.00	0.00	0.00	0.00
7,100.0	2.98	277.30	7,096.7	16.2	-126.6	0.00	0.00	0.00	0.00	0.00
7,200.0	2.98	277.30	7,196.6	16.9	-131.7	0.00	0.00	0.00	0.00	0.00
7,300.0	2.98	277.30	7,296.5	17.5	-136.9	0.00	0.00	0.00	0.00	0.00
7,400.0	2.98	277.30	7,396.3	18.2	-142.1	0.00	0.00	0.00	0.00	0.00
7,500.0	2.98	277.30	7,496.2	18.8	-147.2	0.00	0.00	0.00	0.00	0.00
7,600.0	2.98	277.30	7,596.1	19.5	-152.4	0.00	0.00	0.00	0.00	0.00
7,700.0	2.98	277.30	7,695.9	20.2	-157.6	0.00	0.00	0.00	0.00	0.00
7,800.0	2.98	277.30	7,795.8	20.8	-162.7	0.00	0.00	0.00	0.00	0.00
7,900.0	2.98	277.30	7,895.7	21.5	-167.9	0.00	0.00	0.00	0.00	0.00



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 Design: Plan #2

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 Database: Minimum Curvature  
 EDM 5000.1 Single User Db

**Planned Survey**

MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	D/Leg ("/100usft)	Build ("/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
8,000.0	2.98	277.30	7,995.5	22.2	-173.0	0.00	0.00	0.00	0.00	0.00
8,100.0	2.98	277.30	8,095.4	22.8	-178.2	0.00	0.00	0.00	0.00	0.00
8,200.0	2.98	277.30	8,195.3	23.5	-183.4	0.00	0.00	0.00	0.00	0.00
8,300.0	2.98	277.30	8,295.1	24.1	-188.5	0.00	0.00	0.00	0.00	0.00
8,400.0	2.98	277.30	8,395.0	24.8	-193.7	0.00	0.00	0.00	0.00	0.00
8,500.0	2.98	277.30	8,494.8	25.5	-198.9	0.00	0.00	0.00	0.00	0.00
8,600.0	2.98	277.30	8,594.7	26.1	-204.0	0.00	0.00	0.00	0.00	0.00
8,700.0	2.98	277.30	8,694.6	26.8	-209.2	0.00	0.00	0.00	0.00	0.00
8,800.0	2.98	277.30	8,794.4	27.4	-214.4	0.00	0.00	0.00	0.00	0.00
8,900.0	2.98	277.30	8,894.3	28.1	-219.5	0.00	0.00	0.00	0.00	0.00
9,000.0	2.98	277.30	8,994.2	28.8	-224.7	0.00	0.00	0.00	0.00	0.00
9,100.0	2.98	277.30	9,094.0	29.4	-229.9	0.00	0.00	0.00	0.00	0.00
9,200.0	2.98	277.30	9,193.9	30.1	-235.0	0.00	0.00	0.00	0.00	0.00
9,300.0	2.98	277.30	9,293.8	30.7	-240.2	0.00	0.00	0.00	0.00	0.00
9,400.0	2.98	277.30	9,393.6	31.4	-245.3	0.00	0.00	0.00	0.00	0.00
9,500.0	2.98	277.30	9,493.5	32.1	-250.5	0.00	0.00	0.00	0.00	0.00
9,600.0	2.98	277.30	9,593.4	32.7	-255.7	0.00	0.00	0.00	0.00	0.00
9,700.0	2.98	277.30	9,693.2	33.4	-260.8	0.00	0.00	0.00	0.00	0.00
9,800.0	2.98	277.30	9,793.1	34.1	-266.0	0.00	0.00	0.00	0.00	0.00
9,900.0	2.98	277.30	9,892.9	34.7	-271.2	0.00	0.00	0.00	0.00	0.00
10,000.0	2.98	277.30	9,992.8	35.4	-276.3	0.00	0.00	0.00	0.00	0.00
10,100.0	2.98	277.30	10,092.7	36.0	-281.5	0.00	0.00	0.00	0.00	0.00
10,200.0	2.98	277.30	10,192.5	36.7	-286.7	0.00	0.00	0.00	0.00	0.00
10,300.0	2.98	277.30	10,292.4	37.4	-291.8	0.00	0.00	0.00	0.00	0.00
10,400.0	2.98	277.30	10,392.3	38.0	-297.0	0.00	0.00	0.00	0.00	0.00
10,500.0	2.98	277.30	10,492.1	38.7	-302.1	0.00	0.00	0.00	0.00	0.00
10,600.0	2.98	277.30	10,592.0	39.3	-307.3	0.00	0.00	0.00	0.00	0.00



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10,700.0	2.98	277.30	10,691.9	40.0	-312.5	0.00	0.00	0.00	0.00	0.00
10,800.0	2.98	277.30	10,791.7	40.7	-317.6	0.00	0.00	0.00	0.00	0.00
10,900.0	2.98	277.30	10,891.6	41.3	-322.8	0.00	0.00	0.00	0.00	0.00
11,000.0	2.98	277.30	10,991.5	42.0	-328.0	0.00	0.00	0.00	0.00	0.00
11,100.0	2.98	277.30	11,091.3	42.6	-333.1	0.00	0.00	0.00	0.00	0.00
11,200.0	2.98	277.30	11,191.2	43.3	-338.3	0.00	0.00	0.00	0.00	0.00
11,300.0	2.98	277.30	11,291.0	44.0	-343.5	0.00	0.00	0.00	0.00	0.00
11,400.0	2.98	277.30	11,390.9	44.6	-348.6	0.00	0.00	0.00	0.00	0.00
11,500.0	2.98	277.30	11,490.8	45.3	-353.8	0.00	0.00	0.00	0.00	0.00
11,600.0	2.98	277.30	11,590.6	46.0	-359.0	0.00	0.00	0.00	0.00	0.00
11,700.0	2.98	277.30	11,690.5	46.6	-364.1	0.00	0.00	0.00	0.00	0.00
11,800.0	2.98	277.30	11,790.4	47.3	-369.3	0.00	0.00	0.00	0.00	0.00
11,900.0	2.98	277.30	11,890.2	47.9	-374.4	0.00	0.00	0.00	0.00	0.00
11,981.7	2.98	277.30	11,971.8	48.5	-378.7	0.00	0.00	0.00	0.00	0.00
12,000.0	3.70	306.65	11,990.1	48.9	-379.6	10.00	3.93	160.26	160.26	0.00
12,050.0	7.81	337.45	12,039.8	53.0	-382.2	10.00	8.21	61.61	61.61	0.00
12,100.0	12.58	346.19	12,089.0	61.4	-384.8	10.00	9.54	17.48	17.48	0.00
12,150.0	17.48	350.14	12,137.3	74.1	-387.4	10.00	9.79	7.88	7.88	0.00
12,200.0	22.42	352.39	12,184.3	91.0	-390.0	10.00	9.88	4.50	4.50	0.00
12,250.0	27.38	353.85	12,229.6	111.9	-392.5	10.00	9.92	2.94	2.94	0.00
12,300.0	32.35	354.90	12,273.0	136.6	-394.9	10.00	9.95	2.09	2.09	0.00
12,350.0	37.33	355.70	12,314.0	165.1	-397.2	10.00	9.96	1.59	1.59	0.00
12,400.0	42.32	356.33	12,352.4	197.0	-399.4	10.00	9.97	1.26	1.26	0.00
12,450.0	47.30	356.85	12,387.9	232.2	-401.5	10.00	9.97	1.04	1.04	0.00
12,500.0	52.29	357.29	12,420.1	270.3	-403.5	10.00	9.98	0.89	0.89	0.00
12,550.0	57.28	357.68	12,448.9	311.1	-405.2	10.00	9.98	0.77	0.77	0.00



**EOG Resources, Inc.**  
EOG PVA

Company: EOG Resources - Midland  
 Project: Lea County, NM (NAD 27 NME)  
 Site: Whirling Wind 11 Fed Com  
 Well: 702H  
 Wellbore: OH  
 Design: Plan #2

Local Co-ordinate Reference: Well 702H  
 TVD Reference: KB = 25 @ 3365.0usft (H&P 260)  
 MD Reference: KB = 25 @ 3365.0usft (H&P 260)  
 North Reference: Grid  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 5000.1 Single User Db

**Planned Survey**

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	D/Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,600.0	62.27	358.02	12,474.1	354.3	-406.9	10.00	9.98	0.69		
<b>FTP(WW 11 FC #702H)</b>										
12,650.0	67.26	358.34	12,495.4	399.5	-408.3	10.00	9.98	0.63		
12,700.0	72.26	358.63	12,512.7	446.4	-409.5	10.00	9.98	0.59		
12,750.0	77.25	358.91	12,525.9	494.6	-410.6	10.00	9.99	0.55		
12,800.0	82.24	359.18	12,534.7	543.8	-411.4	10.00	9.99	0.53		
12,850.0	87.24	359.44	12,539.3	593.5	-412.0	10.00	9.99	0.52		
12,877.7	90.00	359.58	12,540.0	621.2	-412.2	10.00	9.99	0.52		
12,900.0	90.00	359.58	12,540.0	643.5	-412.4	0.00	0.00	0.00		
13,000.0	90.00	359.58	12,540.0	743.5	-413.1	0.00	0.00	0.00		
13,100.0	90.00	359.58	12,540.0	843.5	-413.9	0.00	0.00	0.00		
13,200.0	90.00	359.58	12,540.0	943.5	-414.6	0.00	0.00	0.00		
13,300.0	90.00	359.58	12,540.0	1,043.5	-415.3	0.00	0.00	0.00		
13,400.0	90.00	359.58	12,540.0	1,143.5	-416.1	0.00	0.00	0.00		
13,500.0	90.00	359.58	12,540.0	1,243.5	-416.8	0.00	0.00	0.00		
13,600.0	90.00	359.58	12,540.0	1,343.5	-417.5	0.00	0.00	0.00		
13,700.0	90.00	359.58	12,540.0	1,443.5	-418.3	0.00	0.00	0.00		
13,800.0	90.00	359.58	12,540.0	1,543.5	-419.0	0.00	0.00	0.00		
13,900.0	90.00	359.58	12,540.0	1,643.5	-419.7	0.00	0.00	0.00		
14,000.0	90.00	359.58	12,540.0	1,743.5	-420.5	0.00	0.00	0.00		
14,100.0	90.00	359.58	12,540.0	1,843.5	-421.2	0.00	0.00	0.00		
14,200.0	90.00	359.58	12,540.0	1,943.5	-421.9	0.00	0.00	0.00		
14,300.0	90.00	359.58	12,540.0	2,043.5	-422.7	0.00	0.00	0.00		
14,400.0	90.00	359.58	12,540.0	2,143.5	-423.4	0.00	0.00	0.00		
14,500.0	90.00	359.58	12,540.0	2,243.5	-424.1	0.00	0.00	0.00		
14,600.0	90.00	359.58	12,540.0	2,343.5	-424.9	0.00	0.00	0.00		
14,700.0	90.00	359.58	12,540.0	2,443.5	-425.6	0.00	0.00	0.00		





**EOG Resources, Inc.**  
EOG PVA

**Company:** EOG Resources - Midland  
**Project:** Lea County, NM (NAD 27 NME)  
**Site:** Whirling Wind 11 Fed Com  
**Well:** 702H  
**Wellbore:** OH  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well 702H  
**TVD Reference:** KB = 25 @ 3365.0usft (H&P 260)  
**MD Reference:** KB = 25 @ 3365.0usft (H&P 260)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

**Planned 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)
14,800.0	90.00	359.58	12,540.0	2,543.5	-426.3	0.00	0.00	0.00	0.00	0.00
14,900.0	90.00	359.58	12,540.0	2,643.5	-427.1	0.00	0.00	0.00	0.00	0.00
15,000.0	90.00	359.58	12,540.0	2,743.5	-427.8	0.00	0.00	0.00	0.00	0.00
15,100.0	90.00	359.58	12,540.0	2,843.5	-428.5	0.00	0.00	0.00	0.00	0.00
15,200.0	90.00	359.58	12,540.0	2,943.5	-429.3	0.00	0.00	0.00	0.00	0.00
15,300.0	90.00	359.58	12,540.0	3,043.4	-430.0	0.00	0.00	0.00	0.00	0.00
15,400.0	90.00	359.58	12,540.0	3,143.4	-430.7	0.00	0.00	0.00	0.00	0.00
15,500.0	90.00	359.58	12,540.0	3,243.4	-431.5	0.00	0.00	0.00	0.00	0.00
15,600.0	90.00	359.58	12,540.0	3,343.4	-432.2	0.00	0.00	0.00	0.00	0.00
15,700.0	90.00	359.58	12,540.0	3,443.4	-432.9	0.00	0.00	0.00	0.00	0.00
15,800.0	90.00	359.58	12,540.0	3,543.4	-433.7	0.00	0.00	0.00	0.00	0.00
15,900.0	90.00	359.58	12,540.0	3,643.4	-434.4	0.00	0.00	0.00	0.00	0.00
16,000.0	90.00	359.58	12,540.0	3,743.4	-435.1	0.00	0.00	0.00	0.00	0.00
16,100.0	90.00	359.58	12,540.0	3,843.4	-435.9	0.00	0.00	0.00	0.00	0.00
16,200.0	90.00	359.58	12,540.0	3,943.4	-436.6	0.00	0.00	0.00	0.00	0.00
16,300.0	90.00	359.58	12,540.0	4,043.4	-437.3	0.00	0.00	0.00	0.00	0.00
16,400.0	90.00	359.58	12,540.0	4,143.4	-438.1	0.00	0.00	0.00	0.00	0.00
16,500.0	90.00	359.58	12,540.0	4,243.4	-438.8	0.00	0.00	0.00	0.00	0.00
16,600.0	90.00	359.58	12,540.0	4,343.4	-439.5	0.00	0.00	0.00	0.00	0.00
16,700.0	90.00	359.58	12,540.0	4,443.4	-440.3	0.00	0.00	0.00	0.00	0.00
16,800.0	90.00	359.58	12,540.0	4,543.4	-441.0	0.00	0.00	0.00	0.00	0.00
16,900.0	90.00	359.58	12,540.0	4,643.4	-441.7	0.00	0.00	0.00	0.00	0.00
17,000.0	90.00	359.58	12,540.0	4,743.4	-442.5	0.00	0.00	0.00	0.00	0.00
17,100.0	90.00	359.58	12,540.0	4,843.4	-443.2	0.00	0.00	0.00	0.00	0.00
17,200.0	90.00	359.58	12,540.0	4,943.4	-443.9	0.00	0.00	0.00	0.00	0.00
17,300.0	90.00	359.58	12,540.0	5,043.4	-444.7	0.00	0.00	0.00	0.00	0.00
17,400.0	90.00	359.58	12,540.0	5,143.4	-445.4	0.00	0.00	0.00	0.00	0.00



**EOG Resources, Inc.**  
EOG PVA

**Company:** EOG Resources - Midland  
**Project:** Lea County, NM (NAD 27 NME)  
**Site:** Whirling Wind 11 Fed Com  
**Well:** 702H  
**Wellbore:** OH  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well 702H  
**TVD Reference:** KB = 25 @ 3365.0usft (H&P 260)  
**MD Reference:** KB = 25 @ 3365.0usft (H&P 260)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

**Planned 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)
17,500.0	90.00	359.58	12,540.0	5,243.4	-446.1	0.00	0.00	0.00	0.00	0.00
17,600.0	90.00	359.58	12,540.0	5,343.4	-446.9	0.00	0.00	0.00	0.00	0.00
17,700.0	90.00	359.58	12,540.0	5,443.4	-447.6	0.00	0.00	0.00	0.00	0.00
17,800.0	90.00	359.58	12,540.0	5,543.4	-448.3	0.00	0.00	0.00	0.00	0.00
17,900.0	90.00	359.58	12,540.0	5,643.4	-449.1	0.00	0.00	0.00	0.00	0.00
18,000.0	90.00	359.58	12,540.0	5,743.4	-449.8	0.00	0.00	0.00	0.00	0.00
18,100.0	90.00	359.58	12,540.0	5,843.4	-450.5	0.00	0.00	0.00	0.00	0.00
18,200.0	90.00	359.58	12,540.0	5,943.4	-451.3	0.00	0.00	0.00	0.00	0.00
18,300.0	90.00	359.58	12,540.0	6,043.4	-452.0	0.00	0.00	0.00	0.00	0.00
18,400.0	90.00	359.58	12,540.0	6,143.4	-452.7	0.00	0.00	0.00	0.00	0.00
18,500.0	90.00	359.58	12,540.0	6,243.4	-453.5	0.00	0.00	0.00	0.00	0.00
18,600.0	90.00	359.58	12,540.0	6,343.4	-454.2	0.00	0.00	0.00	0.00	0.00
18,700.0	90.00	359.58	12,540.0	6,443.4	-454.9	0.00	0.00	0.00	0.00	0.00
18,800.0	90.00	359.58	12,540.0	6,543.4	-455.7	0.00	0.00	0.00	0.00	0.00
18,900.0	90.00	359.58	12,540.0	6,643.4	-456.4	0.00	0.00	0.00	0.00	0.00
19,000.0	90.00	359.58	12,540.0	6,743.3	-457.1	0.00	0.00	0.00	0.00	0.00
19,100.0	90.00	359.58	12,540.0	6,843.3	-457.9	0.00	0.00	0.00	0.00	0.00
19,200.0	90.00	359.58	12,540.0	6,943.3	-458.6	0.00	0.00	0.00	0.00	0.00
19,300.0	90.00	359.58	12,540.0	7,043.3	-459.3	0.00	0.00	0.00	0.00	0.00
19,400.0	90.00	359.58	12,540.0	7,143.3	-460.1	0.00	0.00	0.00	0.00	0.00
19,500.0	90.00	359.58	12,540.0	7,243.3	-460.8	0.00	0.00	0.00	0.00	0.00
19,600.0	90.00	359.58	12,540.0	7,343.3	-461.5	0.00	0.00	0.00	0.00	0.00
19,700.0	90.00	359.58	12,540.0	7,443.3	-462.3	0.00	0.00	0.00	0.00	0.00
19,800.0	90.00	359.58	12,540.0	7,543.3	-463.0	0.00	0.00	0.00	0.00	0.00
19,900.0	90.00	359.58	12,540.0	7,643.3	-463.7	0.00	0.00	0.00	0.00	0.00
19,934.7	90.00	359.58	12,540.0	7,678.0	-464.0	0.00	0.00	0.00	0.00	0.00

PBHL(WW 11 FC #702H)



EOG Resources, Inc.  
EOG PVA

Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 27 NME)  
Site: Whirling Wind 11 Fed Com  
Well: 702H  
Wellbore: OH  
Design: Plan #2

Local Co-ordinate Reference: Well 702H  
TYD Reference: KB = 25 @ 3365.0usft (H&P 260)  
MD Reference: KB = 25 @ 3365.0usft (H&P 260)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: EDM 5000.1 Single User Db

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_