



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 Coordinate 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: 47.947
(nT)

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 (°) 356.54
0.0 0.0 0.0

Survey Tool Program Date: 3/1/2016
From (usft) To (usft) Survey (Wellbore) Tool Name Description:
0.0 19,934.7 Plan #2 (OH) MWD MWD - Standard



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North Reference: Grid
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Database: EDM 5000.1 Single User Db

Planned Survey	MD (usft)	Inc (°)	Azi (grid_north_azim (usft)	TVD (usft)	N/S (usft)	E/W (usft)	D Leg (°/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	0.0	0.00	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	0.00
	200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	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	0.00
	400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	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	0.00
	600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	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	0.00
	800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	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	0.00
	1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	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	0.00
	1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	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	0.00
	1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	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	0.00
	1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	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	0.00
	1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	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	0.00
	2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	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	0.00
	2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	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	0.00
	2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	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	0.00
	2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00



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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 (°)	Adj (grid north azimuth)	TVD (usft)	N/S (usft)	EW (usft)	Deg (°/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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Database:
Well 702H
KB = 25 @ 3365.0usft (H&P 260)
KB = 25 @ 3365.0usft (H&P 260)
Grid
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)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
5,300.0	2.98	277.30	5,299.2	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	5,498.9	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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North Reference: Grid
Survey Calculation Method: Minimum Curvature
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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)
	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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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned Survey	MD (usft)	Inc (°)	Azi (grid: north azimuth)	TVD (usft)	N/S (usft)	EW (usft)	D Leg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
	10,700.0	2.98	277.30	10,691.9	40.0	-312.5	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	
	10,900.0	2.98	277.30	10,891.6	41.3	-322.8	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	
	11,100.0	2.98	277.30	11,091.3	42.6	-333.1	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	
	11,300.0	2.98	277.30	11,291.0	44.0	-343.5	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	
	11,500.0	2.98	277.30	11,490.8	45.3	-353.8	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	
	11,700.0	2.98	277.30	11,690.5	46.6	-364.1	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	
	11,900.0	2.98	277.30	11,890.2	47.9	-374.4	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	
	12,000.0	3.70	306.65	11,990.1	48.9	-379.6	10.00	3.93	160.26	61.61	
	12,050.0	7.81	337.45	12,039.8	53.0	-382.2	10.00	8.21	17.48	17.48	
	12,100.0	12.58	346.19	12,089.0	61.4	-384.8	10.00	9.54	7.88	7.88	
	12,150.0	17.48	350.14	12,137.3	74.1	-387.4	10.00	9.79	4.50	4.50	
	12,200.0	22.42	352.39	12,184.3	91.0	-390.0	10.00	9.88	2.94	2.94	
	12,250.0	27.38	353.85	12,229.6	111.9	-392.5	10.00	9.92	2.09	2.09	
	12,300.0	32.35	354.90	12,273.0	136.6	-394.9	10.00	9.95	1.59	1.59	
	12,350.0	37.33	355.70	12,314.0	165.1	-397.2	10.00	9.96	1.26	1.26	
	12,400.0	42.32	356.33	12,352.4	197.0	-399.4	10.00	9.97	1.04	1.04	
	12,450.0	47.30	356.85	12,387.9	232.2	-401.5	10.00	9.97	0.89	0.89	
	12,500.0	52.29	357.29	12,420.1	270.3	-403.5	10.00	9.98	0.77	0.77	
	12,550.0	57.28	357.68	12,448.9	311.1	-405.2	10.00	9.98			



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 (°)	Grnd north azim (°)	TVD (usft)	N/S (usft)	EW (usft)	Olleg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
FTP(WW 11 FC #702H)	12,600.0	62.27	358.02		12,474.1	354.3	-406.9	10.00	9.98	0.69		
	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: Whiting 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 (grd north azim)	TVD (usft)	N/S (usft)	EW (usft)	D Leg (°/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 (INAD 27 NME)
Site: Whirling Wind 11 Fed Com
Well: 702H
Wellbore: OH
Design: Plan #2

Local Coordinate 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)	WIS (usft)	EW (usft)	D Leg (°/100usft)	Bulld (°/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 Coordinate 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

Checked By: _____

Approved By: _____

Date: _____