



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Della 29 Fed

#605H

73878

OH

Design: OH

Standard Survey Report

02 January, 2019



Survey Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #605H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3734.0usft
Site:	Della 29 Fed	MD Reference:	KB = 25 @ 3734.0usft
Well:	#605H	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		Della 29 Fed				
Site Position:		Northing:	560,090.00 usft	Latitude:	32° 32' 15.011 N	
From:	Map	Easting:	772,759.00 usft	Longitude:	103° 34' 56.564 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.40 °

Well	#605H					
Well Position	+N/-S	0.0 usft	Northing:	560,084.00 usft	Latitude:	32° 32' 15.064 N
	+E/-W	0.0 usft	Easting:	771,146.00 usft	Longitude:	103° 35' 15.406 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,709.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/18/2017	6.97	60.35	48,112.03990115

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	1.39	

Survey Program	Date	1/2/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
200.0	16,120.0	Driltech MWD (OH)	MWD	OWSG MWD - Standard	

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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.62	354.38	200.0	1.1	-0.1	1.1	0.31	0.31	0.00	
259.0	0.88	357.72	259.0	1.8	-0.2	1.8	0.45	0.44	5.66	
378.0	0.88	13.28	378.0	3.6	0.0	3.6	0.20	0.00	13.08	
437.0	0.53	47.73	437.0	4.3	0.3	4.3	0.91	-0.59	58.39	
496.0	0.62	91.15	496.0	4.5	0.8	4.5	0.73	0.15	73.59	
555.0	0.53	64.96	555.0	4.6	1.4	4.6	0.47	-0.15	-44.39	
615.0	0.53	82.18	615.0	4.7	1.9	4.8	0.26	0.00	28.70	
705.0	0.53	25.93	705.0	5.1	2.5	5.2	0.56	0.00	-62.50	
766.0	0.35	53.00	766.0	5.5	2.8	5.6	0.44	-0.30	44.38	

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

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)
857.0	0.26	93.08	857.0	5.7	3.2	5.7	0.25	-0.10	44.04
950.0	0.35	337.15	950.0	5.9	3.3	6.0	0.56	0.10	-124.66
1,042.0	0.44	341.72	1,042.0	6.5	3.1	6.6	0.10	0.10	4.97
1,134.0	0.35	300.77	1,134.0	7.0	2.8	7.1	0.31	-0.10	-44.51
1,225.0	0.88	314.83	1,224.9	7.6	2.0	7.7	0.60	0.58	15.45
1,318.0	0.97	293.03	1,317.9	8.4	0.8	8.5	0.39	0.10	-23.44
1,410.0	1.58	295.23	1,409.9	9.3	-1.1	9.3	0.67	0.66	2.39
1,502.0	1.58	264.47	1,501.9	9.7	-3.5	9.6	0.91	0.00	-33.43
1,593.0	1.67	256.82	1,592.8	9.3	-6.0	9.1	0.26	0.10	-8.41
1,674.0	1.49	245.48	1,673.8	8.6	-8.1	8.4	0.44	-0.22	-14.00
1,792.0	0.62	283.89	1,791.8	8.1	-10.1	7.8	0.91	-0.74	32.55
1,887.0	0.35	231.77	1,886.8	8.0	-10.9	7.8	0.52	-0.28	-54.86
1,978.0	0.44	242.23	1,977.8	7.7	-11.4	7.4	0.13	0.10	11.49
2,072.0	0.44	254.71	2,071.8	7.4	-12.1	7.1	0.10	0.00	13.28
2,167.0	0.62	243.64	2,166.8	7.1	-12.9	6.8	0.22	0.19	-11.65
2,261.0	0.88	158.29	2,260.8	6.2	-13.1	5.9	1.10	0.28	-90.80
2,356.0	2.73	137.82	2,355.7	3.9	-11.3	3.6	2.03	1.95	-21.55
2,450.0	4.13	135.53	2,449.6	-0.2	-7.4	-0.4	1.50	1.49	-2.44
2,638.0	5.01	131.22	2,637.0	-10.5	3.5	-10.4	0.50	0.47	-2.29
2,732.0	4.92	126.65	2,730.6	-15.6	9.8	-15.3	0.43	-0.10	-4.86
2,826.0	5.01	124.46	2,824.2	-20.3	16.5	-19.9	0.22	0.10	-2.33
2,921.0	5.19	121.29	2,918.9	-24.9	23.5	-24.3	0.35	0.19	-3.34
3,015.0	5.36	118.83	3,012.5	-29.2	31.0	-28.4	0.30	0.18	-2.62
3,109.0	5.36	125.51	3,106.1	-33.9	38.4	-32.9	0.66	0.00	7.11
3,203.0	5.80	133.33	3,199.6	-39.7	45.5	-38.6	0.93	0.47	8.32
3,298.0	5.54	133.33	3,294.2	-46.1	52.3	-44.8	0.27	-0.27	0.00
3,392.0	5.28	136.15	3,387.7	-52.3	58.6	-50.9	0.40	-0.28	3.00
3,487.0	4.75	138.61	3,482.4	-58.5	64.2	-56.9	0.60	-0.56	2.59
3,581.0	4.57	140.19	3,576.1	-64.2	69.2	-62.5	0.24	-0.19	1.68
3,676.0	4.31	142.39	3,670.8	-70.0	73.8	-68.2	0.33	-0.27	2.32
3,770.0	3.96	140.72	3,764.5	-75.3	78.0	-73.4	0.39	-0.37	-1.78
3,864.0	3.96	140.72	3,858.3	-80.3	82.1	-78.3	0.00	0.00	0.00
3,958.0	3.34	144.85	3,952.1	-85.1	85.8	-83.0	0.72	-0.66	4.39
4,053.0	3.34	145.73	4,047.0	-89.6	88.9	-87.4	0.05	0.00	0.93
4,147.0	3.08	148.36	4,140.8	-94.0	91.8	-91.8	0.32	-0.28	2.80
4,242.0	2.81	145.38	4,235.7	-98.1	94.4	-95.8	0.33	-0.28	-3.14
4,337.0	2.81	146.17	4,330.6	-102.0	97.1	-99.6	0.04	0.00	0.83
4,431.0	3.34	130.26	4,424.4	-105.7	100.4	-103.2	1.06	0.56	-16.93
4,525.0	3.69	130.79	4,518.3	-109.4	104.8	-106.8	0.37	0.37	0.56
4,619.0	3.43	126.39	4,612.1	-113.0	109.4	-110.4	0.40	-0.28	-4.68
4,713.0	3.52	126.65	4,705.9	-116.4	113.9	-113.6	0.10	0.10	0.28
4,807.0	3.52	129.29	4,799.7	-120.0	118.5	-117.1	0.17	0.00	2.81
4,901.0	3.52	131.31	4,893.5	-123.7	122.9	-120.7	0.13	0.00	2.15
4,996.0	3.43	130.43	4,988.4	-127.5	127.2	-124.4	0.11	-0.09	-0.93

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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)
5,184.0	3.25	124.28	5,176.1	-134.1	135.9	-130.8	0.21	-0.10	-3.27
5,243.0	3.17	126.30	5,235.0	-136.0	138.6	-132.6	0.23	-0.14	3.42
5,355.0	3.17	123.40	5,346.8	-139.6	143.7	-136.1	0.14	0.00	-2.59
5,449.0	3.08	126.39	5,440.7	-142.5	147.9	-138.9	0.20	-0.10	3.18
5,544.0	3.08	127.27	5,535.5	-145.6	152.0	-141.8	0.05	0.00	0.93
5,638.0	2.99	126.48	5,629.4	-148.6	156.0	-144.7	0.11	-0.10	-0.84
5,733.0	2.90	128.76	5,724.3	-151.5	159.8	-147.6	0.16	-0.09	2.40
5,828.0	2.81	119.36	5,819.1	-154.2	163.7	-150.2	0.50	-0.09	-9.89
5,923.0	2.90	120.68	5,914.0	-156.5	167.8	-152.4	0.12	0.09	1.39
6,017.0	2.90	135.09	6,007.9	-159.4	171.6	-155.2	0.77	0.00	15.33
6,112.0	2.73	155.22	6,102.8	-163.2	174.2	-158.9	1.05	-0.18	21.19
6,207.0	2.73	150.30	6,197.7	-167.2	176.3	-162.9	0.25	0.00	-5.18
6,301.0	2.73	148.19	6,291.6	-171.1	178.6	-166.7	0.11	0.00	-2.24
6,396.0	1.85	183.17	6,386.5	-174.5	179.7	-170.1	1.70	-0.93	36.82
6,490.0	1.85	198.20	6,480.5	-177.5	179.1	-173.1	0.51	0.00	15.99
6,584.0	1.76	193.28	6,574.4	-180.3	178.3	-175.9	0.19	-0.10	-5.23
6,679.0	1.67	256.56	6,669.4	-182.1	176.6	-177.7	1.90	-0.09	66.61
6,774.0	1.76	254.71	6,764.3	-182.8	173.9	-178.5	0.11	0.09	-1.95
6,869.0	1.67	255.77	6,859.3	-183.5	171.1	-179.3	0.10	-0.09	1.12
6,964.0	0.70	246.54	6,954.3	-184.1	169.3	-179.9	1.04	-1.02	-9.72
7,058.0	0.53	233.88	7,048.3	-184.6	168.4	-180.4	0.23	-0.18	-13.47
7,062.8	0.52	234.11	7,053.0	-184.6	168.3	-180.4	0.20	-0.19	4.78
Brushy Top(Della 29 Federal #605H)									
7,153.0	0.35	240.65	7,143.3	-185.0	167.8	-180.8	0.20	-0.19	7.25
7,247.0	0.53	227.64	7,237.3	-185.4	167.2	-181.3	0.22	0.19	-13.84
7,341.0	0.35	260.16	7,331.3	-185.7	166.6	-181.6	0.32	-0.19	34.60
7,436.0	0.44	238.28	7,426.3	-186.0	166.0	-181.9	0.18	0.09	-23.03
7,530.0	0.44	200.75	7,520.2	-186.5	165.6	-182.4	0.30	0.00	-39.93
7,624.0	0.09	228.34	7,614.2	-186.9	165.4	-182.8	0.39	-0.37	29.35
7,719.0	0.35	195.65	7,709.2	-187.2	165.2	-183.1	0.29	0.27	-34.41
7,813.0	0.26	122.08	7,803.2	-187.6	165.3	-183.5	0.40	-0.10	-78.27
7,908.0	0.26	107.93	7,898.2	-187.8	165.7	-183.7	0.07	0.00	-14.89
8,002.0	0.35	131.05	7,992.2	-188.0	166.2	-184.0	0.16	0.10	24.60
8,096.0	0.26	86.40	8,086.2	-188.2	166.6	-184.1	0.26	-0.10	-47.50
8,191.0	0.44	95.10	8,181.2	-188.2	167.2	-184.1	0.20	0.19	9.16
8,285.0	0.44	125.25	8,275.2	-188.5	167.8	-184.3	0.24	0.00	32.07
8,379.0	0.44	120.85	8,369.2	-188.9	168.4	-184.7	0.04	0.00	-4.68
8,473.0	0.44	119.45	8,463.2	-189.2	169.0	-185.1	0.01	0.00	-1.49
8,568.0	0.44	129.38	8,558.2	-189.6	169.6	-185.5	0.08	0.00	10.45
8,663.0	0.18	113.29	8,653.2	-189.9	170.1	-185.7	0.29	-0.27	-16.94
8,757.0	0.18	26.46	8,747.2	-189.9	170.3	-185.7	0.26	0.00	-92.37
8,851.0	0.35	34.90	8,841.2	-189.5	170.5	-185.3	0.19	0.18	8.98
8,946.0	0.26	340.05	8,936.2	-189.1	170.6	-184.9	0.31	-0.09	-57.74

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Survey									
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9,040.0	0.44	340.93	9,030.2	-188.5	170.4	-184.3	0.19	0.19	0.94
9,134.0	0.35	323.27	9,124.2	-187.9	170.1	-183.8	0.16	-0.10	-18.79
9,229.0	0.79	301.03	9,219.2	-187.4	169.4	-183.2	0.51	0.46	-23.41
9,324.0	0.53	296.11	9,314.2	-186.8	168.4	-182.7	0.28	-0.27	-5.18
9,419.0	0.44	285.30	9,409.2	-186.5	167.7	-182.4	0.13	-0.09	-11.38
9,514.0	0.53	271.94	9,504.2	-186.4	166.9	-182.3	0.15	0.09	-14.06
9,609.0	0.35	272.82	9,599.2	-186.4	166.2	-182.3	0.19	-0.19	0.93
9,704.0	0.62	269.13	9,694.2	-186.4	165.3	-182.3	0.29	0.28	-3.88
9,799.0	0.88	264.73	9,789.2	-186.5	164.1	-182.4	0.28	0.27	-4.63
9,894.0	1.06	302.88	9,884.2	-186.1	162.6	-182.1	0.69	0.19	40.16
9,989.0	0.97	302.35	9,979.2	-185.2	161.2	-181.2	0.10	-0.09	-0.56
10,084.0	1.14	285.30	10,074.1	-184.5	159.6	-180.5	0.37	0.18	-17.95
10,179.0	1.06	273.78	10,169.1	-184.2	157.8	-180.3	0.25	-0.08	-12.13
10,274.0	0.88	256.73	10,264.1	-184.3	156.3	-180.4	0.36	-0.19	-17.95
10,463.0	0.88	242.58	10,453.1	-185.3	153.6	-181.5	0.11	0.00	-7.49
10,558.0	1.49	206.99	10,548.1	-186.7	152.3	-183.0	0.98	0.64	-37.46
10,574.0	1.58	204.96	10,564.1	-187.1	152.2	-183.4	0.66	0.56	-12.69
10,593.0	1.85	199.34	10,583.1	-187.6	151.9	-183.9	1.67	1.42	-29.58
10,688.0	4.40	6.24	10,678.0	-185.5	151.8	-181.7	6.54	2.68	175.68
10,782.0	14.77	3.87	10,770.5	-169.9	153.0	-166.1	11.04	11.03	-2.52
10,876.0	20.84	357.72	10,860.0	-141.2	153.2	-137.4	6.75	6.46	-6.54
10,905.8	22.90	358.90	10,887.7	-130.1	152.9	-126.3	7.06	6.90	3.98
FTP Crossing, MD:10905.8', TVD:10887.7', N/S:-130.1', E/W:162.9', INC:22.90									
10,970.0	27.35	0.88	10,945.8	-102.8	152.9	-99.1	7.06	6.94	3.08
11,064.0	34.91	1.85	11,026.2	-54.3	154.1	-50.5	8.06	8.04	1.03
11,158.0	44.41	359.30	11,098.5	5.6	154.5	9.4	10.25	10.11	-2.71
FTP (Della 29 Federal #605H)									
11,252.0	57.24	357.10	11,157.7	78.3	152.1	82.0	13.77	13.65	-2.34
11,346.0	70.81	357.28	11,199.0	162.4	148.0	166.0	14.22	14.22	0.19
11,440.0	75.45	358.60	11,226.4	252.2	144.8	255.7	5.32	5.15	1.40
11,534.0	84.06	0.88	11,243.1	344.7	144.4	348.1	9.46	9.16	2.43
11,628.0	88.02	1.41	11,249.6	438.4	146.2	441.8	4.25	4.21	0.56
11,720.0	88.02	1.23	11,252.8	530.3	148.4	533.8	0.20	0.00	-0.20
11,814.0	90.40	1.67	11,254.1	624.3	150.7	627.7	2.57	2.53	0.47
11,909.0	91.19	1.67	11,252.7	719.2	153.5	722.7	0.83	0.83	0.00
12,003.0	91.36	1.76	11,250.6	813.2	156.3	816.7	0.20	0.18	0.10
12,098.0	91.63	1.76	11,248.2	908.1	159.2	911.7	0.28	0.28	0.00
12,192.0	90.75	0.00	11,246.2	1,002.0	160.7	1,005.6	2.09	-0.94	-1.87
12,287.0	91.89	359.83	11,244.0	1,097.0	160.5	1,100.6	1.21	1.20	-0.18
12,382.0	92.51	0.18	11,240.4	1,191.9	160.6	1,195.5	0.75	0.65	0.37
12,450.9	92.06	358.50	11,237.6	1,260.8	159.8	1,264.3	2.52	-0.66	-2.44
TGT#1(Della 29 Federal #605H)									
12,476.0	91.89	357.89	11,236.8	1,285.9	159.0	1,289.3	2.52	-0.66	-2.44
12,571.0	92.15	356.75	11,233.4	1,380.7	154.5	1,384.0	1.23	0.27	-1.20

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Site:	Della 29 Fed	MD Reference:	KB = 25 @ 3734.0usft
Well:	#605H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
12,666.0	90.13	357.02	11,231.5	1,475.5	149.4	1,478.7	2.15	-2.13	0.28
12,760.0	89.43	356.22	11,231.9	1,569.4	143.8	1,572.4	1.13	-0.74	-0.85
12,854.0	89.87	357.89	11,232.5	1,663.2	139.0	1,666.1	1.84	0.47	1.78
12,949.0	90.22	359.65	11,232.4	1,758.2	137.0	1,761.0	1.89	0.37	1.85
13,043.0	87.76	359.56	11,234.0	1,852.2	136.3	1,854.9	2.62	-2.62	-0.10
13,137.0	88.37	0.09	11,237.2	1,946.1	136.0	1,948.9	0.86	0.65	0.56
13,225.8	89.12	359.67	11,239.2	2,034.9	135.8	2,037.6	0.96	0.84	-0.47
TGT#2(Della 29 Federal #605H)									
13,231.0	89.16	359.65	11,239.2	2,040.1	135.8	2,042.8	0.96	0.84	-0.47
13,325.0	89.43	359.92	11,240.4	2,134.1	135.5	2,136.8	0.41	0.29	0.29
13,420.0	92.07	1.32	11,239.2	2,229.1	136.5	2,231.7	3.15	2.78	1.47
13,514.0	92.95	0.88	11,235.0	2,323.0	138.3	2,325.6	1.05	0.94	-0.47
13,608.0	90.92	1.15	11,231.9	2,416.9	140.0	2,419.6	2.18	-2.16	0.29
13,702.0	91.19	1.06	11,230.1	2,510.9	141.8	2,513.6	0.30	0.29	-0.10
13,797.0	91.36	1.15	11,228.0	2,605.8	143.6	2,608.5	0.20	0.18	0.09
13,891.0	91.36	0.71	11,225.8	2,699.8	145.1	2,702.5	0.47	0.00	-0.47
13,986.0	89.96	0.00	11,224.7	2,794.8	145.7	2,797.5	1.65	-1.47	-0.75
14,080.0	90.22	359.30	11,224.6	2,888.8	145.1	2,891.4	0.79	0.28	-0.74
14,175.0	90.84	359.30	11,223.7	2,983.7	144.0	2,986.4	0.65	0.65	0.00
14,270.0	91.28	359.48	11,221.9	3,078.7	143.0	3,081.3	0.50	0.46	0.19
14,365.0	91.01	359.39	11,220.0	3,173.7	142.0	3,176.2	0.30	-0.28	-0.09
14,459.0	91.45	358.86	11,218.0	3,267.7	140.6	3,270.1	0.73	0.47	-0.56
14,554.0	91.98	359.04	11,215.2	3,362.6	138.9	3,365.0	0.59	0.56	0.19
14,649.0	92.51	358.95	11,211.4	3,457.5	137.2	3,459.8	0.57	0.56	-0.09
14,743.0	90.75	359.39	11,208.8	3,551.5	135.8	3,553.7	1.93	-1.87	0.47
14,838.0	90.66	359.21	11,207.6	3,646.5	134.7	3,648.7	0.21	-0.09	-0.19
14,901.6	90.78	358.74	11,206.8	3,710.1	133.5	3,712.2	0.77	0.19	-0.74
TGT#3(Della 29 Federal #605H)									
14,932.0	90.84	358.51	11,206.4	3,740.4	132.8	3,742.6	0.77	0.19	-0.74
15,027.0	91.28	358.60	11,204.6	3,835.4	130.4	3,837.4	0.47	0.46	0.09
15,122.0	91.80	358.69	11,202.1	3,930.3	128.2	3,932.3	0.56	0.55	0.09
15,217.0	92.42	358.77	11,198.6	4,025.2	126.1	4,027.1	0.66	0.65	0.08
15,311.0	92.33	359.30	11,194.7	4,119.1	124.5	4,120.9	0.57	-0.10	0.56
15,407.0	91.10	359.21	11,191.8	4,215.1	123.2	4,216.8	1.28	-1.28	-0.09
15,501.0	90.84	358.95	11,190.2	4,309.1	121.7	4,310.7	0.39	-0.28	-0.28
15,596.0	91.45	358.77	11,188.3	4,404.0	119.8	4,405.6	0.67	0.64	-0.19
15,690.0	90.66	0.00	11,186.6	4,498.0	118.8	4,499.6	1.55	-0.84	1.31
15,784.0	91.01	0.00	11,185.2	4,592.0	118.8	4,593.5	0.37	0.37	0.00
15,878.0	91.54	359.56	11,183.1	4,686.0	118.5	4,687.5	0.73	0.56	-0.47
15,973.0	91.89	359.56	11,180.3	4,780.9	117.7	4,782.4	0.37	0.37	0.00
16,055.0	92.33	359.30	11,177.2	4,862.9	116.9	4,864.3	0.62	0.54	-0.32
Last MWD Survey									
16,120.0	92.33	359.30	11,174.6	4,927.8	116.1	4,929.2	0.00	0.00	0.00
Projection To Bit - PBHL (Della 29 Federal #605H)									



Survey Report

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #605H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3734.0usft
Site:	Della 29 Fed	MD Reference:	KB = 25 @ 3734.0usft
Well:	#605H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

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)
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Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,905.8	10,887.7	-130.1	152.9	FTP Crossing, MD:10905.8', TVD:10887.7', N/S:-130.1', E/W:152.9', INC:22.90
16,055.0	11,177.2	4,862.9	116.9	Last MWD Survey
16,120.0	11,174.6	4,927.8	116.1	Projection To Bit

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Della 29 Fed

#605H

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

To convert a Magnetic Direction to a Grid Direction, Add 6.97°
To convert a Magnetic Direction to a True Direction, Add 6.97° East
To convert a True Direction to a Grid Direction, Subtract 6.97°

WELL DETAILS: #605H

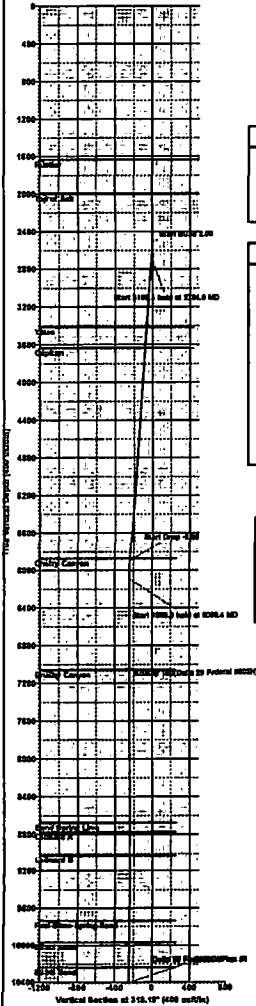
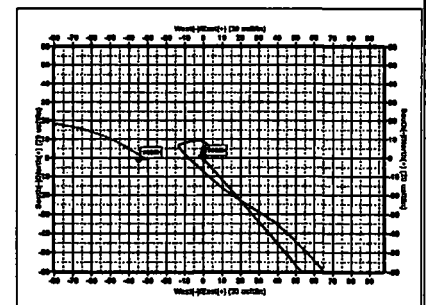
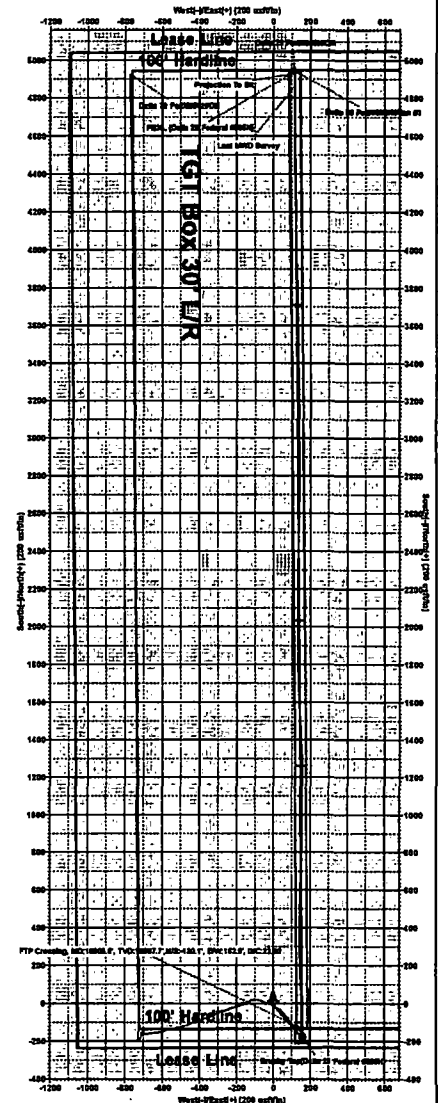
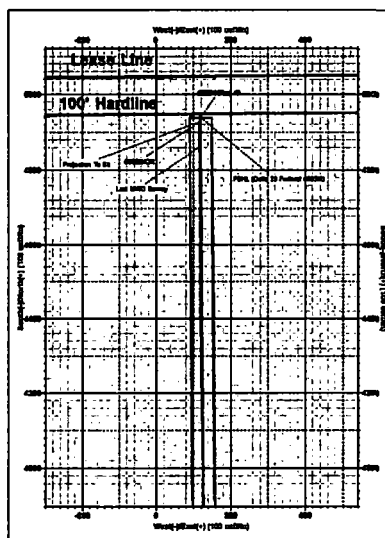
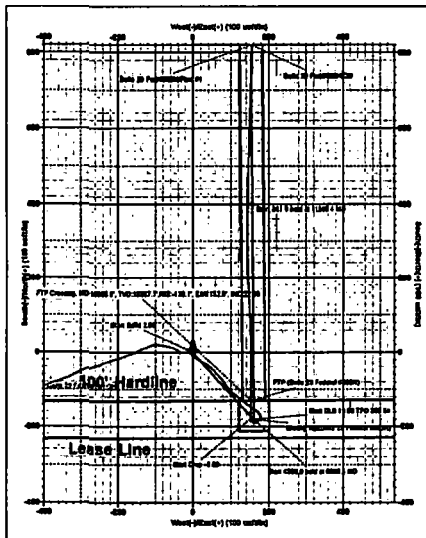
3709.0
N3 = 25 @ 3734.000
Northing 660084.00 Easting 771146.00 Longitude 103° 35' 15.408 W Elevation 5701

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Diag	T-Face	V-Sect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	
3	2704.0	4.08	138.19	2703.8	-5.4	4.8	2.00	138.19	-5.3	
4	5894.4	4.08	138.19	5886.2	-174.6	156.2	0.00	0.00	-170.7	
5	6098.4	0.00	0.00	6090.0	-180.0	161.0	2.00	180.00	-176.0	
6	10584.4	0.00	0.00	10576.0	-180.0	161.0	0.00	0.00	-176.0	
7	11590.4	90.59	359.54	11248.9	398.9	156.4	10.00	359.54	402.6	TGT#1(Della 29 Federal #605H)
8	12452.3	90.59	359.54	11240.0	1260.7	149.5	0.00	0.00	1264.0	TGT#3(Della 29 Federal #605H)
9	12469.4	90.94	359.54	11239.8	1277.9	149.3	2.00	0.00	1281.1	
10	14901.9	90.94	359.54	11200.0	3709.9	129.8	0.00	0.00	3712.0	
11	14906.3	91.03	359.54	11199.9	3714.3	129.8	2.00	0.00	3716.4	PBHL (Della 29 Federal #605H)
12	16131.2	91.03	359.54	11178.0	4939.0	120.0	0.00	0.00	4940.5	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
Brushy Top(Della 29 Federal #605H)	7053.0	-180.0	161.0	653904.00	771327.00	Polygon
PBHL (Della 29 Federal #605H)	11178.0	4939.0	120.0	660213.00	771285.00	Rectangle (Sides: L2.0 W20.0)
TGT#1(Della 29 Federal #605H)	11200.0	3709.9	129.8	663793.80	771276.54	Point
TGT#2(Della 29 Federal #605H)	11230.0	2033.1	143.5	662119.10	771289.26	Point
TGT#3(Della 29 Federal #605H)	11240.0	1260.7	149.5	661344.70	771285.48	Point
FTP (Della 29 Federal #605H)	11253.0	-130.0	161.0	663954.00	771327.00	Point



Lea County, NM (NAD 83 NME)
Della 29 Fed
#605H
Plan #1