



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Getty 5 Fed Com

#502H

OH

Design: OH

Midland PVA

17 September, 2019



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3463.0usft
Site:	Getty 5 Fed Com	MD Reference:	KB = 25 @ 3463.0usft
Well:	#502H	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:	Getty 5 Fed Com		
Site Position:		Northing:	420,163.00 usft
From:	Map	Easting:	772,092.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 9' 10.475 N
		Longitude:	103° 35' 15.736 W
		Grid Convergence:	0.40 °

Well:	#502H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			Ground Level:

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	12/13/2018	6.79
			Dip Angle
			59.98
			Field Strength
			47,740.95582240

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			358.10

Survey Program	Date 9/17/2019		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
188.0	18,500.0	Gyrodata MWD (OH)	MWD
			Description
			OWSG MWD - Standard



Midland PVA

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Project: Lea County, NM (NAD 83 NME)				TVD Reference:				KB = 25 @ 3463.0usft			
Site: Gatty 5 Fed Com				TMD Reference:				KB = 25 @ 3463.0usft			
Well: #502H				North Reference:				Grid			
Wellbore: OH				Survey Calculation Method:				Minimum Curvature			
Design: OH				Database:				EDM 5000.14			
Survey	MD (usft)	Inc (")	Azi (azimuth) (")	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	0.00	0.00	0.00	0.0	0.0
	188.0	0.36	295.81	188.0	0.3	-0.5	0.19	0.19	0.00	-0.6	0.0
	246.0	0.61	331.48	246.0	0.6	-0.8	0.66	0.43	61.50	-0.9	0.5
	425.0	0.15	56.28	425.0	1.6	-1.1	0.34	-0.26	47.37	0.0	1.9
	604.0	0.49	339.85	604.0	2.4	-1.2	0.27	0.19	-42.70	-2.7	0.3
	789.0	0.71	337.34	789.0	4.2	-1.9	0.12	0.12	-1.36	-4.6	0.1
	973.0	1.13	338.79	973.0	7.0	-3.0	0.23	0.23	0.79	-7.6	0.3
	1,158.0	0.86	287.83	1,157.9	9.1	-5.0	0.48	-0.15	-27.55	-7.5	-7.1
	1,324.0	0.30	286.32	1,323.9	9.6	-6.6	0.34	-0.34	-0.91	-9.0	-7.4
	1,508.0	0.46	268.25	1,507.9	9.7	-7.8	0.11	0.09	-9.82	-7.5	-8.9
	1,693.0	0.25	296.13	1,692.9	9.9	-8.9	0.15	-0.11	16.15	-12.5	-4.5
	1,785.0	0.15	241.39	1,784.9	9.9	-9.1	0.23	-0.11	-61.67	-3.3	-13.1
	1,977.0	0.18	309.88	1,976.9	10.0	-9.6	0.10	0.02	35.67	-13.8	-1.5
	2,169.0	0.35	282.25	2,168.9	10.3	-10.4	0.11	0.09	-14.39	-12.4	-7.9
	2,361.0	0.26	305.44	2,360.9	10.7	-11.3	0.08	-0.05	12.08	-15.4	-2.1
	2,552.0	1.56	233.99	2,551.9	9.4	-13.8	0.78	0.68	-37.41	-5.2	-15.7
	2,744.0	4.22	206.29	2,743.6	1.5	-19.0	1.53	1.39	-14.43	2.3	-13.3
	2,935.0	5.97	201.80	2,933.9	-14.0	-25.8	0.94	0.92	-2.35	0.8	-5.3
	3,127.0	5.69	206.22	3,124.9	-31.8	-33.7	0.28	-0.15	2.30	-3.9	2.6
	3,318.0	6.40	223.30	3,314.8	-48.0	-45.2	1.01	0.37	8.94	-6.2	8.9
	3,509.0	5.34	221.62	3,504.8	-62.4	-58.4	0.56	-0.55	-0.88	-9.6	11.3
	3,701.0	4.69	240.35	3,696.1	-73.0	-71.2	0.91	-0.34	9.76	-5.3	14.1
	3,892.0	2.24	232.36	3,886.7	-79.1	-80.9	1.30	-1.28	-4.18	-2.0	12.0
	4,084.0	5.79	231.98	4,078.2	-87.4	-91.5	1.85	1.85	-0.20	1.3	11.9
	4,275.0	3.32	220.92	4,268.6	-97.5	-102.8	1.37	-1.29	-5.79	0.4	13.2
	4,467.0	5.03	209.90	4,460.1	-109.1	-110.5	1.00	0.89	-6.26	-0.8	18.3
	4,659.0	5.14	183.64	4,651.4	-125.0	-115.1	1.16	0.06	-13.16	-13.5	25.1



Midland PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lee County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3463.0ust
Site:	Gally 5 Fed Com	MD Reference:	KB = 25 @ 3463.0ust
Well:	#502H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey	MD (ust)	Inc (°)	Az (azimuth) (°)	TVD (ust)	N/S (ust)	EW (ust)	Dleg (°/100ust)	Build (°/100ust)	Turn (°/100ust)	High to Plan (ust)	Right to Plan (ust)
	4,850.0	6.78	189.76	4,841.3	-144.7	-117.5	0.92	0.86	3.20	-18.1	38.5
	4,895.0	6.52	192.29	4,886.0	-149.8	-116.5	0.87	-0.58	5.62	-18.5	41.8
	4,949.0	5.73	188.72	4,938.7	-155.5	-119.6	1.62	-1.46	-6.61	-23.5	43.6
	5,141.0	2.36	240.33	5,131.3	-166.9	-124.5	2.42	-1.76	26.88	26.1	50.5
	5,332.0	4.01	251.49	5,322.0	-171.0	-134.2	0.92	0.86	5.84	40.0	38.8
	5,523.0	1.34	250.63	5,512.7	-173.8	-142.7	1.40	-1.40	-0.45	36.7	38.2
	5,715.0	1.96	2.78	5,704.7	-171.3	-144.6	1.44	0.32	58.41	19.1	-46.4
	5,907.0	1.83	357.55	5,896.6	-165.0	-144.6	0.11	-0.07	-2.72	16.9	-44.7
	6,089.0	1.48	357.48	6,088.5	-158.4	-144.8	0.18	-0.16	-0.04	11.4	-44.7
	6,291.0	1.39	356.87	6,280.5	-154.6	-145.1	0.05	-0.05	-0.32	7.1	-44.6
	6,483.0	1.44	354.39	6,472.4	-149.9	-145.4	0.04	0.03	-1.29	4.2	-44.4
	6,674.0	1.28	359.60	6,663.3	-145.4	-145.7	0.11	-0.08	2.73	-4.3	-44.3
	6,866.0	1.13	354.06	6,855.3	-141.3	-145.9	0.10	-0.08	-2.89	-4.1	-44.8
	7,057.0	0.87	3.52	7,046.3	-138.0	-146.0	0.16	-0.14	4.95	-14.7	-43.2
	7,248.0	0.57	359.64	7,237.3	-135.6	-145.9	0.16	-0.16	-2.03	-14.1	-44.2
	7,440.0	0.45	353.04	7,429.2	-133.9	-146.0	0.07	-0.06	-3.44	-10.6	-45.6
	7,630.0	0.22	191.71	7,619.2	-133.5	-146.2	0.35	-0.12	-84.91	25.0	38.6
	7,822.0	0.43	180.55	7,811.2	-134.6	-146.3	0.11	0.11	-5.81	15.8	43.6
	8,013.0	0.52	182.79	8,002.2	-136.2	-146.3	0.05	0.05	1.17	15.9	43.0
	8,205.0	0.70	155.62	8,194.2	-136.1	-145.9	0.17	0.09	-14.15	-7.4	45.1
	8,397.0	0.95	156.90	8,386.2	-140.7	-144.8	0.13	0.13	0.67	-8.2	45.3
	8,588.0	1.25	163.34	8,577.2	-144.1	-143.6	0.17	0.16	3.37	-7.7	46.2
	8,780.0	1.43	170.65	8,769.1	-148.5	-142.6	0.13	0.09	3.81	-6.2	47.1
	8,971.0	1.50	184.17	8,960.1	-153.3	-142.4	0.18	0.04	7.08	0.1	47.8
	9,163.0	1.10	206.61	9,152.0	-157.5	-143.4	0.33	-0.21	11.69	14.2	45.1
	9,354.0	1.24	222.56	9,343.0	-160.6	-145.6	0.18	0.07	8.35	22.2	38.9
	9,546.0	1.59	245.54	9,534.9	-163.3	-149.4	0.34	0.18	11.97	31.4	28.9



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Well:	#502H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
9,738.0	1.88	253.39	9,726.8	-165.3	-154.9	0.19	0.15	4.09	29.3	24.7
9,930.0	1.31	266.28	9,918.8	-166.3	-160.1	0.35	-0.30	6.71	28.8	18.2
10,122.0	1.39	284.67	10,110.7	-165.9	-164.5	0.23	0.04	9.58	28.7	8.9
10,218.0	1.39	290.00	10,206.7	-165.2	-166.7	0.13	0.00	5.55	27.1	6.3
10,356.0	1.11	305.07	10,344.6	-163.8	-169.4	0.31	-0.20	10.92	24.8	-0.5
10,452.0	7.14	13.66	10,440.4	-157.5	-168.7	7.10	6.28	71.45	2.3	-22.4
10,548.0	17.02	13.91	10,534.1	-138.0	-163.9	10.29	10.29	0.26	-12.2	-23.9
10,643.0	27.80	359.08	10,621.9	-102.2	-160.9	12.73	11.35	-15.61	-21.2	-29.8
10,739.0	34.26	352.20	10,704.1	-53.0	-165.0	7.67	6.73	-7.17	-32.4	-29.6
10,835.0	41.04	356.53	10,780.1	5.3	-170.6	7.58	7.06	4.51	-42.6	-22.5
10,931.0	50.54	358.91	10,847.0	74.0	-173.2	10.05	9.90	2.48	-47.9	-19.0
11,027.0	55.24	357.60	10,904.9	150.5	-175.5	5.02	4.90	-1.36	-46.6	-17.8
11,123.0	62.88	357.64	10,954.2	232.7	-179.0	7.96	7.96	0.04	-38.5	-14.7
11,219.0	71.35	356.95	10,991.5	320.9	-183.1	8.85	8.82	-0.72	-26.7	-11.0
11,315.0	82.98	357.10	11,012.8	414.2	-188.0	12.12	12.11	0.16	-15.1	-6.6
11,348.0	86.91	358.53	11,015.7	447.1	-189.2	12.67	11.91	4.33	-12.3	-5.6
11,444.0	88.58	358.48	11,019.5	543.0	-191.7	1.74	1.74	-0.05	-8.5	-3.9
11,540.0	89.29	358.45	11,021.3	638.9	-194.3	0.74	0.74	-0.03	-6.7	-2.1
11,635.0	89.83	358.59	11,022.0	733.9	-196.8	0.59	0.57	0.15	-6.0	-0.4
11,731.0	90.71	358.50	11,021.5	829.9	-199.2	0.92	0.92	-0.09	-6.4	1.2
11,827.0	91.10	358.47	11,020.0	925.8	-201.7	0.41	0.41	-0.03	-7.9	3.0
11,923.0	89.60	358.84	11,019.4	1,021.8	-204.0	1.61	-1.56	0.39	-8.5	4.5
12,019.0	88.55	358.39	11,020.2	1,117.7	-206.3	0.47	-0.05	-0.47	-7.8	6.0
12,115.0	90.40	358.43	11,020.2	1,213.7	-209.0	0.89	0.89	0.04	-7.8	7.9
12,210.0	91.02	358.65	11,019.0	1,308.7	-211.4	0.69	0.65	0.23	-8.9	9.6
12,306.0	88.90	359.81	11,019.1	1,404.7	-212.7	2.52	-2.21	1.21	-8.9	10.1
12,402.0	89.21	359.79	11,020.7	1,500.6	-213.0	0.32	0.32	-0.02	-7.3	9.6



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Well:	#502H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,498.0	89.72	359.82	11,021.6	1,596.6	-213.4	0.53	0.53	0.03	-6.4	9.2
12,594.0	90.45	359.78	11,021.4	1,692.6	-213.7	0.76	0.76	-0.04	-6.5	8.7
12,690.0	90.91	359.82	11,020.3	1,788.6	-214.0	0.48	0.48	0.04	-7.7	8.3
12,786.0	90.14	0.69	11,019.4	1,884.6	-213.6	1.21	-0.80	0.91	-8.6	7.1
12,882.0	89.86	0.90	11,019.4	1,980.6	-212.3	0.36	-0.29	0.22	-8.6	5.0
12,978.0	90.93	0.75	11,018.7	2,076.6	-210.9	1.13	1.11	-0.16	-9.2	2.8
13,073.0	90.25	0.61	11,017.8	2,171.6	-209.8	0.73	-0.72	-0.15	-10.2	0.9
13,169.0	89.86	0.60	11,017.7	2,267.6	-208.7	0.41	-0.41	-0.01	-10.3	-0.9
13,265.0	90.08	0.70	11,017.7	2,363.6	-207.7	0.25	0.23	0.10	-10.2	-2.8
13,361.0	90.03	0.62	11,017.6	2,459.6	-206.5	0.10	-0.05	-0.08	-10.3	-4.6
13,457.0	91.08	0.72	11,016.7	2,555.6	-205.4	1.10	1.09	0.10	-11.3	-6.6
13,552.0	90.62	0.82	11,015.3	2,650.5	-204.1	0.50	-0.48	0.11	-12.7	-8.6
13,648.0	90.71	1.36	11,014.2	2,746.5	-202.3	0.57	0.09	0.56	-13.8	-11.2
13,744.0	91.16	1.18	11,012.6	2,842.5	-200.2	0.50	0.47	-0.19	-15.4	-14.1
13,840.0	90.28	359.97	11,011.4	2,938.5	-199.2	1.56	-0.92	-1.26	-16.6	-15.9
13,936.0	89.55	359.50	11,011.5	3,034.5	-199.7	0.90	-0.76	-0.49	-16.4	-16.2
14,032.0	89.35	359.31	11,012.5	3,130.4	-200.7	0.29	-0.21	-0.20	-15.5	-16.0
14,128.0	89.18	358.90	11,013.7	3,226.4	-202.2	0.46	-0.18	-0.43	-14.3	-15.3
14,224.0	89.72	358.99	11,014.6	3,322.4	-203.9	0.57	0.56	0.09	-13.4	-14.3
14,320.0	90.03	358.75	11,014.8	3,418.4	-205.8	0.41	0.32	-0.25	-13.1	-13.1
14,416.0	91.13	359.19	11,013.9	3,514.4	-207.6	1.23	1.15	0.46	-14.1	-12.2
14,512.0	90.88	358.94	11,012.2	3,610.3	-209.1	0.37	-0.26	-0.26	-15.8	-11.4
14,608.0	90.31	358.66	11,011.2	3,706.3	-211.1	0.66	-0.59	-0.29	-16.8	-10.2
14,704.0	89.89	358.46	11,011.0	3,802.3	-213.5	0.48	-0.44	-0.21	-17.0	-8.6
14,800.0	90.51	358.56	11,010.7	3,898.2	-216.0	0.65	0.65	0.10	-17.3	-6.8
14,896.0	89.01	358.46	11,011.1	3,994.2	-218.5	1.57	-1.56	-0.10	-16.9	-5.1
14,992.0	89.26	358.19	11,012.5	4,090.2	-221.3	0.38	0.26	-0.28	-15.5	-3.1



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Well:	#502H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	EW (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
	15,088.0	89.58	357.82	11,013.5	4,186.1	-224.7	0.51	0.33	-0.39	-14.5	-0.5
	15,183.0	89.77	356.97	11,014.0	4,281.0	-229.0	0.92	0.20	-0.89	-13.9	3.0
	15,279.0	90.25	356.95	11,014.0	4,376.9	-234.1	0.50	0.50	-0.02	-14.0	7.3
	15,375.0	90.40	358.33	11,013.5	4,472.8	-238.0	1.45	0.16	1.44	-14.5	10.5
	15,471.0	91.13	358.54	11,012.2	4,568.7	-240.7	0.79	0.78	0.22	-15.8	12.3
	15,567.0	89.86	0.34	11,011.4	4,664.7	-241.6	2.29	-1.32	1.87	-16.6	12.5
	15,662.0	90.23	0.32	11,011.3	4,759.7	-241.1	0.39	0.39	-0.02	-16.7	11.2
	15,758.0	88.36	0.40	11,012.5	4,855.7	-240.5	1.95	-1.95	0.08	-15.5	9.8
	15,854.0	89.09	359.98	11,014.6	4,951.7	-240.1	0.88	0.76	-0.44	-13.4	8.7
	15,950.0	90.71	0.24	11,014.8	5,047.7	-240.0	1.71	1.69	0.27	-13.2	7.7
	16,045.0	88.50	0.90	11,015.4	5,142.7	-239.0	2.43	-2.33	0.69	-12.6	6.0
	16,141.0	89.18	1.27	11,017.4	5,238.6	-237.2	0.81	0.71	0.39	-10.6	3.4
	16,237.0	90.25	1.57	11,017.8	5,334.6	-234.8	1.16	1.11	0.31	-10.1	0.3
	16,333.0	89.52	1.19	11,018.0	5,430.6	-232.5	0.86	-0.76	-0.40	-9.9	-2.8
	16,428.0	89.97	0.74	11,018.5	5,525.5	-230.9	0.67	0.47	-0.47	-9.5	-5.2
	16,524.0	91.19	0.59	11,017.5	5,621.5	-229.8	1.28	1.27	-0.16	-10.5	-7.1
	16,620.0	90.65	0.64	11,016.0	5,717.5	-228.8	0.56	-0.56	0.05	-12.0	-8.9
	16,716.0	91.16	0.24	11,014.4	5,813.5	-228.0	0.68	0.53	-0.42	-13.6	-10.4
	16,812.0	90.71	0.95	11,012.9	5,909.5	-227.0	0.88	-0.47	0.74	-15.1	-12.2
	16,907.0	90.45	0.77	11,011.9	6,004.5	-225.6	0.33	-0.27	-0.19	-16.1	-14.4
	17,003.0	91.24	0.51	11,010.5	6,100.4	-224.5	0.87	0.82	-0.27	-17.5	-16.2
	17,099.0	89.38	359.97	11,010.0	6,196.4	-224.1	2.02	-1.94	-0.56	-18.0	-17.4
	17,195.0	89.01	359.98	11,011.3	6,292.4	-224.2	0.39	-0.39	0.01	-16.7	-18.2
	17,291.0	89.92	359.90	11,012.2	6,388.4	-224.3	0.95	0.95	-0.08	-15.8	-18.8
	17,386.0	90.54	0.07	11,011.8	6,483.4	-224.3	0.68	0.65	0.18	-16.2	-19.6
	17,482.0	88.39	359.40	11,012.7	6,579.4	-224.7	2.35	-2.24	-0.70	-15.3	-19.9
	17,578.0	88.95	359.22	11,015.0	6,675.4	-225.9	0.61	0.58	-0.19	-13.0	-19.5



Midland PVA

Company:	Eog Resources - Midland	Local Co-ordinate Reference:	Well #502H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 25 @ 3463.0usft
Site:	Getty 5 Fed Com	MD Reference:	KB = 25 @ 3463.0usft
Well:	#502H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.14

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,674.0	89.63	359.16	11,016.1	6,771.4	-227.2	0.71	0.71	-0.06	-11.8	-19.0
17,769.0	90.48	359.40	11,016.1	6,866.3	-228.4	0.93	0.89	0.25	-11.9	-18.5
17,865.0	89.11	357.43	11,016.4	6,962.3	-231.1	2.50	-1.43	-2.05	-11.6	-16.7
17,961.0	88.98	358.59	11,018.0	7,058.2	-234.4	1.22	-0.14	1.21	-10.0	-14.1
18,057.0	89.89	358.39	11,018.9	7,154.2	-237.0	0.97	0.95	-0.21	-9.1	-12.4
18,153.0	91.05	358.32	11,018.2	7,250.1	-239.7	1.21	1.21	-0.07	-9.8	-10.4
18,249.0	91.92	358.50	11,015.7	7,346.1	-242.4	0.93	0.91	0.19	-12.3	-8.5
18,345.0	93.03	358.32	11,011.5	7,441.9	-245.0	1.17	1.16	-0.19	-16.5	-6.6
18,500.0	94.13	358.68	11,001.8	7,596.6	-249.1	0.75	0.71	0.23	-26.2	-3.8

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
10,365.0	10,353.6	-163.7	-169.5	KOP, MD:10365.0', TVD:10353.6', N/S:-163.7', E/W:-169.5', INC:1.40
10,647.8	10,626.1	-100.0	-161.0	FTP Crossing, MD:10647.8', TVD:10626.1', N/S:-100.0', E/W:-161.0', INC:28.11
18,345.0	11,011.5	7,441.9	-245.0	Last MWD Survey (MD=18345.0')
18,500.0	11,001.8	7,596.6	-249.1	Projection to Bit (MD=18500.0')

Checked By: _____ Approved By: _____ Date: _____



Lea County, NM (NAD 83 NME)

Getty 5 Fed Com #502H

Plan #2

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: #502H

KB = 25 @ 3463.0usft 3438.0
Northing 420163.00 Easting 772059.00 Latitude 32° 9' 10.478 N Longitude 103° 35' 16.120 W

Azimuths to Grid North
True North: -6.40°
Magnetic North: 6.40°

Magnetic Field
Strength: 47741.0nT
Dip Angle: 59.98°
Date: 12/13/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.40°
To convert a Magnetic Direction to a True Direction, Add 6.79° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	YFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.00	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	2750.2	5.00	231.71	2749.9	-6.8	-8.6	2.00	231.71	-6.5	
4	5275.1	5.00	231.71	5265.1	-143.2	-181.4	0.00	0.00	-137.1	
5	5525.3	0.00	0.00	5515.0	-150.0	-190.0	2.00	180.00	-143.6	
6	10177.3	0.00	0.00	10167.0	-150.0	-190.0	0.00	0.00	-143.6	
7	10466.3	0.00	0.00	10455.0	-150.0	-190.0	0.00	0.00	-143.6	
8	11365.3	90.00	359.53	11028.0	422.9	-194.7	10.00	359.53	429.2	
9	18549.6	90.00	359.53	11028.0	7607.0	-253.0	0.00	0.00	7611.2	PBHL(Getty 5 FC #502H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL(Getty 5 FC #502H)	11028.0	7607.0	-253.0	427778.00	771886.00
Brushy Top(Getty 5 FC #502H)	7670.0	-150.0	-190.0	420013.00	771869.00
FTP(Getty 5 FC #502H)	11028.0	-100.0	-190.0	420063.00	771869.00

