



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Getty 5 Fed Com

#506H

OH

Plan: Plan #0.3

Standard Planning Report

07 August, 2019

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Getty 5 Fed Com
Well: #506H
Wellbore: OH
Design: Plan #0.3

Local Co-ordinate Reference: Well #506H
TVD Reference: KB = 25 @ 3469.0usft
MD Reference: KB = 25 @ 3469.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	Latitude: 32° 9' 10.475 N
From:	Map	Easting:	772,092.00 usft	Longitude: 103° 35' 15.736 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.40 °

Well	#506H			
Well Position	+N/-S	42.0 usft	Northing:	420,205.00 usft
	+E/-W	-1,276.0 usft	Easting:	770,816.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	Ground Level: 3,444.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2015	12/13/2018	6.80	59.97	47,740.57544911

Design	Plan #0.3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	351.36

Plan Survey Tool Program	Date 8/7/2019			
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks
(usft)	(usft)			
1	0.0	18,634.1 Plan #0.3 (OH)	MWD	
			OWSG MWD - Standard	

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	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	0.00	0.00	0.00	0.00	
1,740.8	10.82	259.30	1,737.6	-9.5	-50.0	2.00	2.00	0.00	259.30	
7,110.0	10.82	259.30	7,011.4	-196.5	-1,040.0	0.00	0.00	0.00	0.00	
7,650.8	0.00	0.00	7,549.0	-206.0	-1,090.0	2.00	-2.00	0.00	180.00	
10,538.8	0.00	0.00	10,437.0	-206.0	-1,090.0	0.00	0.00	0.00	0.00	KOP(Getty 5 FC #50E
11,436.6	89.78	359.56	11,010.0	364.7	-1,094.3	10.00	10.00	-0.05	359.56	
18,634.1	89.78	359.56	11,038.0	7,562.0	-1,149.0	0.00	0.00	0.00	0.00	PBHL(Getty 5 FC #50

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North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned 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
100.0	0.00	0.00	100.0	0.0	0.0	0.0	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
300.0	0.00	0.00	300.0	0.0	0.0	0.0	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
500.0	0.00	0.00	500.0	0.0	0.0	0.0	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
700.0	0.00	0.00	700.0	0.0	0.0	0.0	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
900.0	0.00	0.00	900.0	0.0	0.0	0.0	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
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	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
1,300.0	2.00	259.30	1,300.0	-0.3	-1.7	-0.1	2.00	2.00	0.00
1,400.0	4.00	259.30	1,399.8	-1.3	-6.9	-0.3	2.00	2.00	0.00
1,500.0	6.00	259.30	1,499.5	-2.9	-15.4	-0.6	2.00	2.00	0.00
1,600.0	8.00	259.30	1,598.7	-5.2	-27.4	-1.0	2.00	2.00	0.00
1,700.0	10.00	259.30	1,697.5	-8.1	-42.8	-1.6	2.00	2.00	0.00
1,740.8	10.82	259.30	1,737.6	-9.5	-50.0	-1.8	2.00	2.00	0.00
1,800.0	10.82	259.30	1,795.7	-11.5	-60.9	-2.2	0.00	0.00	0.00
1,900.0	10.82	259.30	1,894.0	-15.0	-79.4	-2.9	0.00	0.00	0.00
2,000.0	10.82	259.30	1,992.2	-18.5	-97.8	-3.6	0.00	0.00	0.00
2,100.0	10.82	259.30	2,090.4	-22.0	-116.2	-4.3	0.00	0.00	0.00
2,200.0	10.82	259.30	2,188.6	-25.5	-134.7	-4.9	0.00	0.00	0.00
2,300.0	10.82	259.30	2,286.9	-28.9	-153.1	-5.6	0.00	0.00	0.00
2,400.0	10.82	259.30	2,385.1	-32.4	-171.6	-6.3	0.00	0.00	0.00
2,500.0	10.82	259.30	2,483.3	-35.9	-190.0	-7.0	0.00	0.00	0.00
2,600.0	10.82	259.30	2,581.5	-39.4	-208.4	-7.6	0.00	0.00	0.00
2,700.0	10.82	259.30	2,679.8	-42.9	-226.9	-8.3	0.00	0.00	0.00
2,800.0	10.82	259.30	2,778.0	-46.4	-245.3	-9.0	0.00	0.00	0.00
2,900.0	10.82	259.30	2,876.2	-49.8	-263.7	-9.7	0.00	0.00	0.00
3,000.0	10.82	259.30	2,974.4	-53.3	-282.2	-10.3	0.00	0.00	0.00
3,100.0	10.82	259.30	3,072.6	-56.8	-300.6	-11.0	0.00	0.00	0.00
3,200.0	10.82	259.30	3,170.9	-60.3	-319.1	-11.7	0.00	0.00	0.00
3,300.0	10.82	259.30	3,269.1	-63.8	-337.5	-12.4	0.00	0.00	0.00
3,400.0	10.82	259.30	3,367.3	-67.3	-355.9	-13.0	0.00	0.00	0.00
3,500.0	10.82	259.30	3,465.5	-70.8	-374.4	-13.7	0.00	0.00	0.00
3,600.0	10.82	259.30	3,563.8	-74.2	-392.8	-14.4	0.00	0.00	0.00
3,700.0	10.82	259.30	3,662.0	-77.7	-411.3	-15.1	0.00	0.00	0.00
3,800.0	10.82	259.30	3,760.2	-81.2	-429.7	-15.7	0.00	0.00	0.00
3,900.0	10.82	259.30	3,858.4	-84.7	-448.1	-16.4	0.00	0.00	0.00
4,000.0	10.82	259.30	3,956.7	-88.2	-466.6	-17.1	0.00	0.00	0.00
4,100.0	10.82	259.30	4,054.9	-91.7	-485.0	-17.8	0.00	0.00	0.00
4,200.0	10.82	259.30	4,153.1	-95.1	-503.4	-18.4	0.00	0.00	0.00
4,300.0	10.82	259.30	4,251.3	-98.6	-521.9	-19.1	0.00	0.00	0.00
4,400.0	10.82	259.30	4,349.6	-102.1	-540.3	-19.8	0.00	0.00	0.00
4,500.0	10.82	259.30	4,447.8	-105.6	-558.8	-20.5	0.00	0.00	0.00
4,600.0	10.82	259.30	4,546.0	-109.1	-577.2	-21.1	0.00	0.00	0.00
4,700.0	10.82	259.30	4,644.2	-112.6	-595.6	-21.8	0.00	0.00	0.00
4,800.0	10.82	259.30	4,742.5	-116.1	-614.1	-22.5	0.00	0.00	0.00
4,900.0	10.82	259.30	4,840.7	-119.5	-632.5	-23.2	0.00	0.00	0.00
5,000.0	10.82	259.30	4,938.9	-123.0	-650.9	-23.8	0.00	0.00	0.00
5,100.0	10.82	259.30	5,037.1	-126.5	-669.4	-24.5	0.00	0.00	0.00
5,200.0	10.82	259.30	5,135.3	-130.0	-687.8	-25.2	0.00	0.00	0.00

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Planned Survey

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5,300.0	10.82	259.30	5,233.6	-133.5	-706.3	-25.9	0.00	0.00	0.00
5,400.0	10.82	259.30	5,331.8	-137.0	-724.7	-26.5	0.00	0.00	0.00
5,500.0	10.82	259.30	5,430.0	-140.4	-743.1	-27.2	0.00	0.00	0.00
5,600.0	10.82	259.30	5,528.2	-143.9	-761.6	-27.9	0.00	0.00	0.00
5,700.0	10.82	259.30	5,626.5	-147.4	-780.0	-28.6	0.00	0.00	0.00
5,800.0	10.82	259.30	5,724.7	-150.9	-798.5	-29.2	0.00	0.00	0.00
5,900.0	10.82	259.30	5,822.9	-154.4	-816.9	-29.9	0.00	0.00	0.00
6,000.0	10.82	259.30	5,921.1	-157.9	-835.3	-30.6	0.00	0.00	0.00
6,100.0	10.82	259.30	6,019.4	-161.4	-853.8	-31.3	0.00	0.00	0.00
6,200.0	10.82	259.30	6,117.6	-164.8	-872.2	-31.9	0.00	0.00	0.00
6,300.0	10.82	259.30	6,215.8	-168.3	-890.6	-32.6	0.00	0.00	0.00
6,400.0	10.82	259.30	6,314.0	-171.8	-909.1	-33.3	0.00	0.00	0.00
6,500.0	10.82	259.30	6,412.3	-175.3	-927.5	-34.0	0.00	0.00	0.00
6,600.0	10.82	259.30	6,510.5	-178.8	-946.0	-34.6	0.00	0.00	0.00
6,700.0	10.82	259.30	6,608.7	-182.3	-964.4	-35.3	0.00	0.00	0.00
6,800.0	10.82	259.30	6,706.9	-185.7	-982.8	-36.0	0.00	0.00	0.00
6,900.0	10.82	259.30	6,805.1	-189.2	-1,001.3	-36.7	0.00	0.00	0.00
7,000.0	10.82	259.30	6,903.4	-192.7	-1,019.7	-37.3	0.00	0.00	0.00
7,100.0	10.82	259.30	7,001.6	-196.2	-1,038.2	-38.0	0.00	0.00	0.00
7,110.0	10.82	259.30	7,011.4	-196.5	-1,040.0	-38.1	0.00	0.00	0.00
7,200.0	9.02	259.30	7,100.1	-199.4	-1,055.2	-38.6	2.00	-2.00	0.00
7,300.0	7.02	259.30	7,199.1	-202.0	-1,068.9	-39.2	2.00	-2.00	0.00
7,400.0	5.02	259.30	7,298.5	-204.0	-1,079.2	-39.5	2.00	-2.00	0.00
7,500.0	3.02	259.30	7,398.3	-205.3	-1,086.1	-39.8	2.00	-2.00	0.00
7,600.0	1.02	259.30	7,498.2	-205.9	-1,089.6	-39.9	2.00	-2.00	0.00
7,650.8	0.00	0.00	7,549.0	-206.0	-1,090.0	-39.9	2.00	-2.00	0.00
7,700.0	0.00	0.00	7,598.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,698.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,798.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,898.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
8,100.0	0.00	0.00	7,998.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,098.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,198.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,298.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,398.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,498.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,598.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,698.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
8,900.0	0.00	0.00	8,798.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,898.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
9,100.0	0.00	0.00	8,998.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
9,200.0	0.00	0.00	9,098.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,198.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,298.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
9,500.0	0.00	0.00	9,398.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
9,600.0	0.00	0.00	9,498.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
9,700.0	0.00	0.00	9,598.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
9,800.0	0.00	0.00	9,698.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
9,900.0	0.00	0.00	9,798.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
10,000.0	0.00	0.00	9,898.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
10,100.0	0.00	0.00	9,998.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
10,200.0	0.00	0.00	10,098.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
10,300.0	0.00	0.00	10,198.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
10,400.0	0.00	0.00	10,298.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00

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Planned 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)
10,500.0	0.00	0.00	10,398.2	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
10,538.8	0.00	0.00	10,437.0	-206.0	-1,090.0	-39.9	0.00	0.00	0.00
KOP(Getty 5 FC #506H)									
10,550.0	1.12	359.56	10,448.2	-205.9	-1,090.0	-39.8	10.00	10.00	0.00
10,600.0	6.12	359.56	10,498.1	-202.7	-1,090.0	-36.7	10.00	10.00	0.00
10,650.0	11.12	359.56	10,547.5	-195.2	-1,090.1	-29.3	10.00	10.00	0.00
10,700.0	16.12	359.56	10,596.1	-183.5	-1,090.2	-17.6	10.00	10.00	0.00
10,750.0	21.12	359.56	10,643.5	-167.5	-1,090.3	-1.8	10.00	10.00	0.00
10,800.0	26.12	359.56	10,689.3	-147.5	-1,090.4	18.0	10.00	10.00	0.00
10,850.0	31.12	359.56	10,733.1	-123.5	-1,090.6	41.7	10.00	10.00	0.00
10,900.0	36.12	359.56	10,774.8	-95.9	-1,090.8	69.1	10.00	10.00	0.00
10,950.0	41.12	359.56	10,813.8	-64.7	-1,091.1	100.0	10.00	10.00	0.00
11,000.0	46.12	359.56	10,850.0	-30.2	-1,091.3	134.1	10.00	10.00	0.00
11,011.4	47.26	359.56	10,857.8	-21.9	-1,091.4	142.3	10.00	10.00	0.00
FTP(Getty 5 FC #506H)									
11,050.0	51.12	359.56	10,883.0	7.3	-1,091.6	171.2	10.00	10.00	0.00
11,100.0	56.12	359.56	10,912.7	47.6	-1,091.9	211.1	10.00	10.00	0.00
11,150.0	61.12	359.56	10,938.7	90.2	-1,092.2	253.3	10.00	10.00	0.00
11,200.0	66.12	359.56	10,960.9	135.0	-1,092.6	297.6	10.00	10.00	0.00
11,250.0	71.12	359.56	10,979.1	181.6	-1,092.9	343.7	10.00	10.00	0.00
11,300.0	76.12	359.56	10,993.2	229.5	-1,093.3	391.1	10.00	10.00	0.00
11,350.0	81.12	359.56	11,003.1	278.5	-1,093.7	439.6	10.00	10.00	0.00
11,400.0	86.12	359.56	11,008.6	328.2	-1,094.1	488.8	10.00	10.00	0.00
11,436.6	89.78	359.56	11,010.0	364.7	-1,094.3	525.0	10.00	10.00	0.00
11,500.0	89.78	359.56	11,010.2	428.2	-1,094.8	587.8	0.00	0.00	0.00
11,600.0	89.78	359.56	11,010.6	528.1	-1,095.6	686.7	0.00	0.00	0.00
11,700.0	89.78	359.56	11,011.0	628.1	-1,096.3	785.7	0.00	0.00	0.00
11,800.0	89.78	359.56	11,011.4	728.1	-1,097.1	884.7	0.00	0.00	0.00
11,900.0	89.78	359.56	11,011.8	828.1	-1,097.9	983.7	0.00	0.00	0.00
12,000.0	89.78	359.56	11,012.1	928.1	-1,098.6	1,082.6	0.00	0.00	0.00
12,100.0	89.78	359.56	11,012.5	1,028.1	-1,099.4	1,181.6	0.00	0.00	0.00
12,200.0	89.78	359.56	11,012.9	1,128.1	-1,100.1	1,280.6	0.00	0.00	0.00
12,300.0	89.78	359.56	11,013.3	1,228.1	-1,100.9	1,379.6	0.00	0.00	0.00
12,400.0	89.78	359.56	11,013.7	1,328.1	-1,101.7	1,478.5	0.00	0.00	0.00
12,500.0	89.78	359.56	11,014.1	1,428.1	-1,102.4	1,577.5	0.00	0.00	0.00
12,600.0	89.78	359.56	11,014.5	1,528.1	-1,103.2	1,676.5	0.00	0.00	0.00
12,700.0	89.78	359.56	11,014.9	1,628.1	-1,103.9	1,775.5	0.00	0.00	0.00
12,800.0	89.78	359.56	11,015.3	1,728.1	-1,104.7	1,874.4	0.00	0.00	0.00
12,900.0	89.78	359.56	11,015.7	1,828.1	-1,105.4	1,973.4	0.00	0.00	0.00
13,000.0	89.78	359.56	11,016.0	1,928.1	-1,106.2	2,072.4	0.00	0.00	0.00
13,100.0	89.78	359.56	11,016.4	2,028.1	-1,107.0	2,171.4	0.00	0.00	0.00
13,200.0	89.78	359.56	11,016.8	2,128.1	-1,107.7	2,270.3	0.00	0.00	0.00
13,300.0	89.78	359.56	11,017.2	2,228.1	-1,108.5	2,369.3	0.00	0.00	0.00
13,400.0	89.78	359.56	11,017.6	2,328.1	-1,109.2	2,468.3	0.00	0.00	0.00
13,500.0	89.78	359.56	11,018.0	2,428.1	-1,110.0	2,567.3	0.00	0.00	0.00
13,600.0	89.78	359.56	11,018.4	2,528.1	-1,110.8	2,666.2	0.00	0.00	0.00
13,700.0	89.78	359.56	11,018.8	2,628.1	-1,111.5	2,765.2	0.00	0.00	0.00
13,800.0	89.78	359.56	11,019.2	2,728.1	-1,112.3	2,864.2	0.00	0.00	0.00
13,900.0	89.78	359.56	11,019.6	2,828.1	-1,113.0	2,963.2	0.00	0.00	0.00
14,000.0	89.78	359.56	11,019.9	2,928.1	-1,113.8	3,062.2	0.00	0.00	0.00
14,100.0	89.78	359.56	11,020.3	3,028.1	-1,114.6	3,161.1	0.00	0.00	0.00
14,200.0	89.78	359.56	11,020.7	3,128.1	-1,115.3	3,260.1	0.00	0.00	0.00
14,300.0	89.78	359.56	11,021.1	3,228.0	-1,116.1	3,359.1	0.00	0.00	0.00
14,400.0	89.78	359.56	11,021.5	3,328.0	-1,116.8	3,458.1	0.00	0.00	0.00

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Getty 5 Fed Com
Well: #506H
Wellbore: OH
Design: Plan #0.3

Local Co-ordinate Reference: Well #506H
TVD Reference: KB = 25 @ 3469.0usft
MD Reference: KB = 25 @ 3469.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned 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)
14,500.0	89.78	359.56	11,021.9	3,428.0	-1,117.6	3,557.0	0.00	0.00	0.00
14,600.0	89.78	359.56	11,022.3	3,528.0	-1,118.4	3,656.0	0.00	0.00	0.00
14,700.0	89.78	359.56	11,022.7	3,628.0	-1,119.1	3,755.0	0.00	0.00	0.00
14,800.0	89.78	359.56	11,023.1	3,728.0	-1,119.9	3,854.0	0.00	0.00	0.00
14,900.0	89.78	359.56	11,023.4	3,828.0	-1,120.6	3,952.9	0.00	0.00	0.00
15,000.0	89.78	359.56	11,023.8	3,928.0	-1,121.4	4,051.9	0.00	0.00	0.00
15,100.0	89.78	359.56	11,024.2	4,028.0	-1,122.2	4,150.9	0.00	0.00	0.00
15,200.0	89.78	359.56	11,024.6	4,128.0	-1,122.9	4,249.9	0.00	0.00	0.00
15,300.0	89.78	359.56	11,025.0	4,228.0	-1,123.7	4,348.8	0.00	0.00	0.00
15,400.0	89.78	359.56	11,025.4	4,328.0	-1,124.4	4,447.8	0.00	0.00	0.00
15,500.0	89.78	359.56	11,025.8	4,428.0	-1,125.2	4,546.8	0.00	0.00	0.00
15,600.0	89.78	359.56	11,026.2	4,528.0	-1,126.0	4,645.8	0.00	0.00	0.00
15,700.0	89.78	359.56	11,026.6	4,628.0	-1,126.7	4,744.7	0.00	0.00	0.00
15,800.0	89.78	359.56	11,027.0	4,728.0	-1,127.5	4,843.7	0.00	0.00	0.00
15,900.0	89.78	359.56	11,027.3	4,828.0	-1,128.2	4,942.7	0.00	0.00	0.00
16,000.0	89.78	359.56	11,027.7	4,928.0	-1,129.0	5,041.7	0.00	0.00	0.00
16,100.0	89.78	359.56	11,028.1	5,028.0	-1,129.8	5,140.6	0.00	0.00	0.00
16,200.0	89.78	359.56	11,028.5	5,128.0	-1,130.5	5,239.6	0.00	0.00	0.00
16,300.0	89.78	359.56	11,028.9	5,228.0	-1,131.3	5,338.6	0.00	0.00	0.00
16,400.0	89.78	359.56	11,029.3	5,328.0	-1,132.0	5,437.6	0.00	0.00	0.00
16,500.0	89.78	359.56	11,029.7	5,428.0	-1,132.8	5,536.5	0.00	0.00	0.00
16,600.0	89.78	359.56	11,030.1	5,528.0	-1,133.6	5,635.5	0.00	0.00	0.00
16,700.0	89.78	359.56	11,030.5	5,628.0	-1,134.3	5,734.5	0.00	0.00	0.00
16,800.0	89.78	359.56	11,030.9	5,728.0	-1,135.1	5,833.5	0.00	0.00	0.00
16,900.0	89.78	359.56	11,031.2	5,828.0	-1,135.8	5,932.4	0.00	0.00	0.00
17,000.0	89.78	359.56	11,031.6	5,928.0	-1,136.6	6,031.4	0.00	0.00	0.00
17,100.0	89.78	359.56	11,032.0	6,027.9	-1,137.3	6,130.4	0.00	0.00	0.00
17,200.0	89.78	359.56	11,032.4	6,127.9	-1,138.1	6,229.4	0.00	0.00	0.00
17,300.0	89.78	359.56	11,032.8	6,227.9	-1,138.9	6,328.3	0.00	0.00	0.00
17,400.0	89.78	359.56	11,033.2	6,327.9	-1,139.6	6,427.3	0.00	0.00	0.00
17,500.0	89.78	359.56	11,033.6	6,427.9	-1,140.4	6,526.3	0.00	0.00	0.00
17,600.0	89.78	359.56	11,034.0	6,527.9	-1,141.1	6,625.3	0.00	0.00	0.00
17,700.0	89.78	359.56	11,034.4	6,627.9	-1,141.9	6,724.3	0.00	0.00	0.00
17,800.0	89.78	359.56	11,034.7	6,727.9	-1,142.7	6,823.2	0.00	0.00	0.00
17,900.0	89.78	359.56	11,035.1	6,827.9	-1,143.4	6,922.2	0.00	0.00	0.00
18,000.0	89.78	359.56	11,035.5	6,927.9	-1,144.2	7,021.2	0.00	0.00	0.00
18,100.0	89.78	359.56	11,035.9	7,027.9	-1,144.9	7,120.2	0.00	0.00	0.00
18,200.0	89.78	359.56	11,036.3	7,127.9	-1,145.7	7,219.1	0.00	0.00	0.00
18,300.0	89.78	359.56	11,036.7	7,227.9	-1,146.5	7,318.1	0.00	0.00	0.00
18,400.0	89.78	359.56	11,037.1	7,327.9	-1,147.2	7,417.1	0.00	0.00	0.00
18,500.0	89.78	359.56	11,037.5	7,427.9	-1,148.0	7,516.1	0.00	0.00	0.00
18,600.0	89.78	359.56	11,037.9	7,527.9	-1,148.7	7,615.0	0.00	0.00	0.00
18,634.1	89.78	359.56	11,038.0	7,562.0	-1,149.0	7,648.8	0.00	0.00	0.00

PBHL(Getty 5 FC #506H)

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Getty 5 Fed Com
Well: #506H
Wellbore: OH
Design: Plan #0.3

Local Co-ordinate Reference: Well #506H
TVD Reference: KB = 25 @ 3469.0usft
MD Reference: KB = 25 @ 3469.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
KOP(Getty 5 FC #506H)	0.00	0.00	10,437.0	-206.0	-1,090.0	419,999.00	769,726.00	32° 9' 9.014 N	103° 35' 43.270 W
- plan hits target center									
- Point									
FTP(Getty 5 FC #506H)	0.00	0.00	11,010.0	-156.0	-1,090.0	420,049.00	769,726.00	32° 9' 9.509 N	103° 35' 43.266 W
- plan misses target center by 202.9usft at 11011.4usft MD (10857.8 TVD, -21.9 N, -1091.4 E)									
- Point									
PBHL(Getty 5 FC #506H)	0.00	0.00	11,038.0	7,562.0	-1,149.0	427,767.00	769,667.00	32° 10' 25.885 N	103° 35' 43.336 W
- plan hits target center									
- Point									



Lea County, NM (NAD 83 NME)

Getty 5 Fed Com #506H

Plan #0.3

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

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GR8 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #506H

KB = 25 @ 3489.0usft 3444.5
Northing 420205.00 Easting 770816.00 Latitude 32° 9' 10.878 N Longitude 102° 38' 30.878 W

SECTION DETAILS

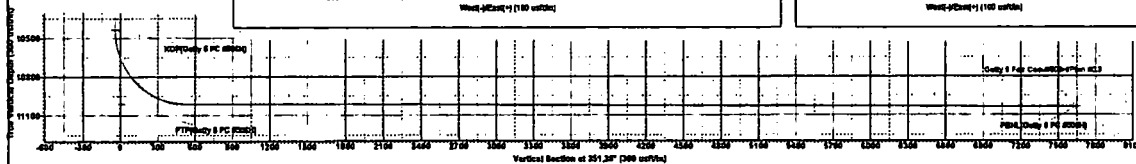
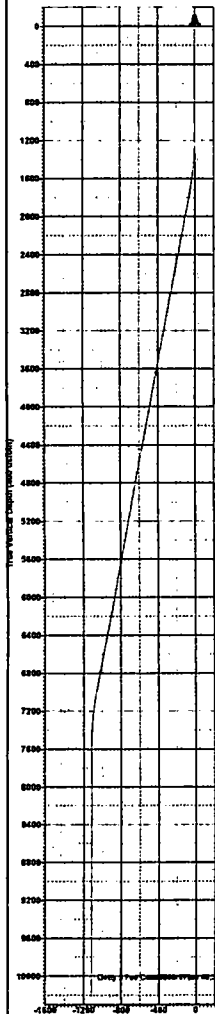
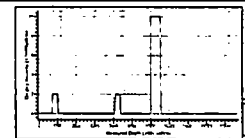
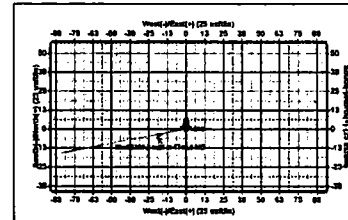
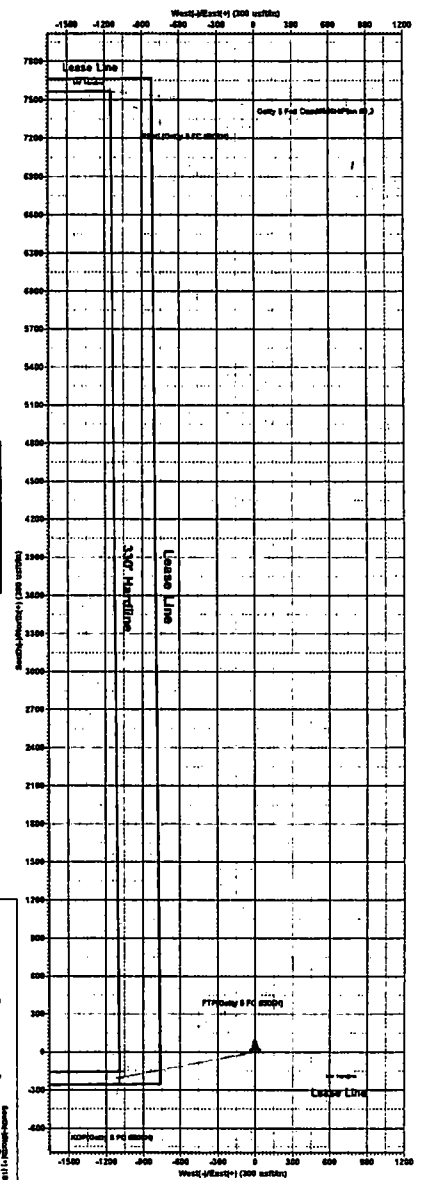
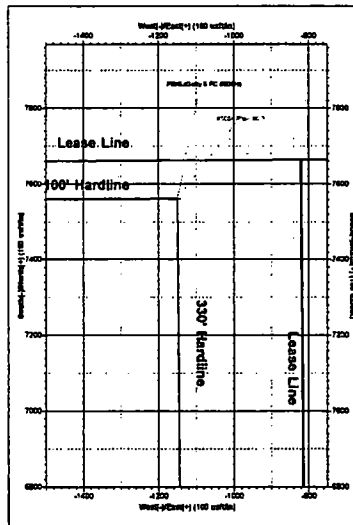
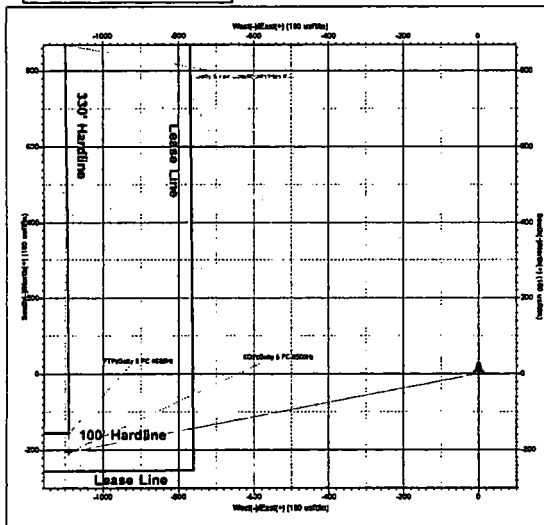
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.00	0.0	
2	1200.0	0.00	0.00	1200.0	0.0	0.00	0.00	0.00	0.0	
3	1740.8	10.82	259.30	1737.6	-4.5	-50.0	2.00	259.30	-1.8	
4	7110.0	10.82	259.30	7011.4	-196.5	-1040.0	0.00	0.00	-38.1	
5	7850.8	0.00	0.00	7849.0	-208.0	-1090.0	2.00	180.00	-39.9	KOP(Getty 5 FC #506H)
6	10538.8	0.00	0.00	10437.0	-206.0	-1090.0	0.00	0.00	-39.9	
7	11438.8	89.78	359.56	11010.0	-384.7	-1094.3	10.00	359.56	525.0	
8	18634.1	89.78	359.56	11038.0	-7682.0	-1149.0	0.00	0.00	7648.8	PBH(Getty 5 FC #506H)

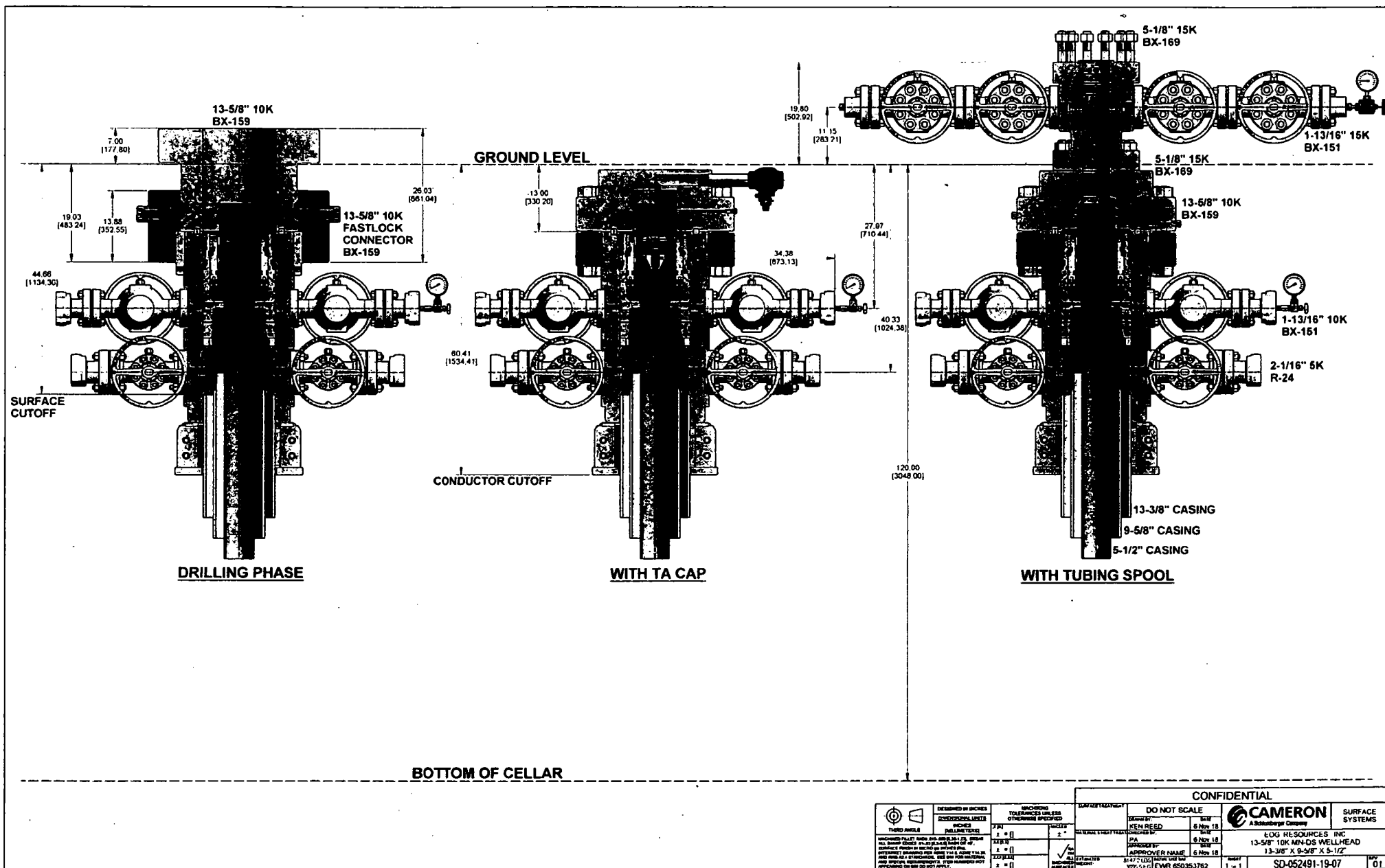
CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP(Getty 5 FC #506H)	10437.0	-206.0	-1090.0	418999.00	763728.00
PBH(Getty 5 FC #506H)	11038.0	-7682.0	-1149.0	437787.00	763687.00
PTP(Getty 5 FC #506H)	11919.8	-158.0	-1080.0	429048.00	763728.00





		DETERMINED BY DIMENSIONS DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		DIMENSIONS DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		SURFACE TREATMENT DO NOT SCALE		CONFIDENTIAL	
		THIRD ANGLE		DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		CAMERON A Schlumberger Company	
DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		SURFACE SYSTEMS	
DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		LOG RESOURCES INC 13-5/8" 10K MIN-DS WELLHEAD 13-3/8" X 9-5/8" X 5-1/2"	
DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS		SD-052491-19-07	