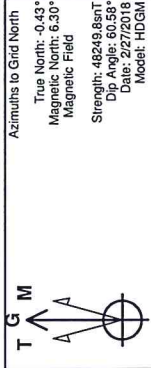


Project: Lea County, NM (NAD83)
Site: Lea
Well: Lea Unit #103H
Wellbore: Original Wellbore
Design: Plan 1

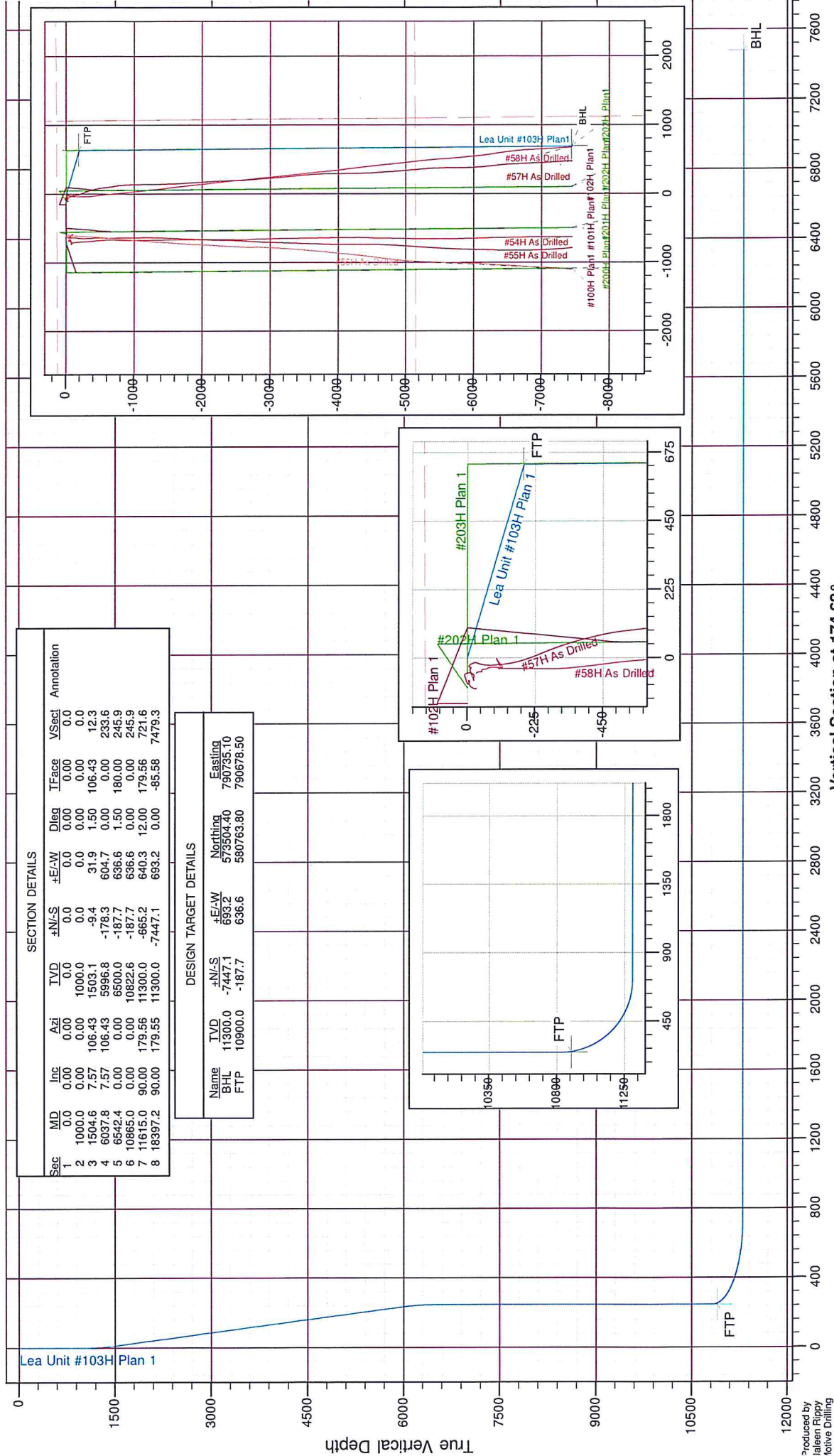
WELL DETAILS: Lea Unit #103H

Ground Level:	3666.0	
Northing	580951.50	Latitude
	790041.90	Longitude
		103°31'32.835 W



SECTION DETAILS										
Sec	MD	Inc	Azi	IVD	+N/-S	+E/-W	Dleg	IFace	V/Sec	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1504.6	7.57	106.43	1503.1	-9.4	31.9	1.50	106.43	12.3	
4	6037.8	7.57	106.43	5996.8	-178.3	604.7	0.00	0.00	233.6	
5	6542.4	0.00	0.00	6500.0	-187.7	636.6	1.50	180.00	245.9	
6	10865.0	0.00	0.00	10822.6	-187.7	636.6	0.00	0.00	245.9	
7	11615.0	90.00	179.56	11300.0	-665.2	640.3	12.00	179.56	721.6	
8	18397.2	90.00	179.55	11300.0	-7447.1	693.2	0.00	-85.58	7479.3	

DESIGN TARGET DETAILS				
Name	ITD	+N+S	+E+W	Easting
BHL	11300.0	-7447.1	693.2	790735.10
FTP	10900.0	-187.7	636.6	790678.50



Legacy Reserves

Lea County, NM (NAD83)

Lea

Lea Unit #103H

Original Wellbore

Plan: Plan 1

Standard Planning Report

20 March, 2018



Database: EDM 5000.1 Single User Db
Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Site: Lea
Well: Lea Unit #103H
Wellbore: Original Wellbore
Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #103H
TVD Reference: RKB @ 3693.0usft
MD Reference: RKB @ 3693.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Lea County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Lea			
Site Position:		Northing:	567,587.00 usft	Latitude: 32° 33' 27.391 N
From:	Map	Easting:	797,256.10 usft	Longitude: 103° 30' 9.733 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.45 °

Well	Lea Unit #103H			
Well Position	+N/-S	13,364.5 usft	Northing:	580,951.50 usft
	+E/-W	-7,214.2 usft	Easting:	790,041.90 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	3,693.0 usft
			Ground Level:	3,666.0 usft

Wellbore	Original Wellbore					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)	
	HDGM	2/27/2018	6.73	60.58	48,250	

Design	Plan 1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	174.68

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	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	0.00	0.00	0.00	0.00	
1,504.6	7.57	106.43	1,503.1	-9.4	31.9	1.50	1.50	0.00	106.43	
6,037.8	7.57	106.43	5,996.8	-178.3	604.7	0.00	0.00	0.00	0.00	
6,542.4	0.00	0.00	6,500.0	-187.7	636.6	1.50	-1.50	0.00	180.00	
10,865.0	0.00	0.00	10,822.6	-187.7	636.6	0.00	0.00	0.00	0.00	
11,615.0	90.00	179.56	11,300.0	-665.2	640.3	12.00	12.00	0.00	179.56	
18,397.2	90.00	179.55	11,300.0	-7,447.1	693.2	0.00	0.00	0.00	-85.58	BHL-103H

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MD Reference: RKB @ 3693.0usft
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)
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	1.50	106.43	1,100.0	-0.4	1.3	0.5	1.50	1.50	0.00
1,200.0	3.00	106.43	1,199.9	-1.5	5.0	1.9	1.50	1.50	0.00
1,300.0	4.50	106.43	1,299.7	-3.3	11.3	4.4	1.50	1.50	0.00
1,400.0	6.00	106.43	1,399.3	-5.9	20.1	7.8	1.50	1.50	0.00
1,504.6	7.57	106.43	1,503.1	-9.4	31.9	12.3	1.50	1.50	0.00
1,600.0	7.57	106.43	1,597.7	-13.0	44.0	17.0	0.00	0.00	0.00
1,700.0	7.57	106.43	1,696.8	-16.7	56.6	21.9	0.00	0.00	0.00
1,800.0	7.57	106.43	1,796.0	-20.4	69.2	26.7	0.00	0.00	0.00
1,900.0	7.57	106.43	1,895.1	-24.1	81.9	31.6	0.00	0.00	0.00
2,000.0	7.57	106.43	1,994.2	-27.9	94.5	36.5	0.00	0.00	0.00
2,100.0	7.57	106.43	2,093.3	-31.6	107.1	41.4	0.00	0.00	0.00
2,200.0	7.57	106.43	2,192.5	-35.3	119.8	46.3	0.00	0.00	0.00
2,300.0	7.57	106.43	2,291.6	-39.0	132.4	51.1	0.00	0.00	0.00
2,400.0	7.57	106.43	2,390.7	-42.8	145.1	56.0	0.00	0.00	0.00
2,500.0	7.57	106.43	2,489.9	-46.5	157.7	60.9	0.00	0.00	0.00
2,600.0	7.57	106.43	2,589.0	-50.2	170.3	65.8	0.00	0.00	0.00
2,700.0	7.57	106.43	2,688.1	-53.9	183.0	70.7	0.00	0.00	0.00
2,800.0	7.57	106.43	2,787.2	-57.7	195.6	75.5	0.00	0.00	0.00
2,900.0	7.57	106.43	2,886.4	-61.4	208.2	80.4	0.00	0.00	0.00
3,000.0	7.57	106.43	2,985.5	-65.1	220.9	85.3	0.00	0.00	0.00
3,100.0	7.57	106.43	3,084.6	-68.8	233.5	90.2	0.00	0.00	0.00
3,200.0	7.57	106.43	3,183.8	-72.6	246.1	95.1	0.00	0.00	0.00
3,300.0	7.57	106.43	3,282.9	-76.3	258.8	100.0	0.00	0.00	0.00
3,400.0	7.57	106.43	3,382.0	-80.0	271.4	104.8	0.00	0.00	0.00
3,500.0	7.57	106.43	3,481.1	-83.7	284.0	109.7	0.00	0.00	0.00
3,600.0	7.57	106.43	3,580.3	-87.5	296.7	114.6	0.00	0.00	0.00
3,700.0	7.57	106.43	3,679.4	-91.2	309.3	119.5	0.00	0.00	0.00
3,800.0	7.57	106.43	3,778.5	-94.9	321.9	124.4	0.00	0.00	0.00
3,900.0	7.57	106.43	3,877.7	-98.6	334.6	129.2	0.00	0.00	0.00
4,000.0	7.57	106.43	3,976.8	-102.4	347.2	134.1	0.00	0.00	0.00
4,100.0	7.57	106.43	4,075.9	-106.1	359.8	139.0	0.00	0.00	0.00
4,200.0	7.57	106.43	4,175.0	-109.8	372.5	143.9	0.00	0.00	0.00
4,300.0	7.57	106.43	4,274.2	-113.5	385.1	148.8	0.00	0.00	0.00
4,400.0	7.57	106.43	4,373.3	-117.3	397.7	153.6	0.00	0.00	0.00
4,500.0	7.57	106.43	4,472.4	-121.0	410.4	158.5	0.00	0.00	0.00
4,600.0	7.57	106.43	4,571.6	-124.7	423.0	163.4	0.00	0.00	0.00
4,700.0	7.57	106.43	4,670.7	-128.5	435.6	168.3	0.00	0.00	0.00
4,800.0	7.57	106.43	4,769.8	-132.2	448.3	173.2	0.00	0.00	0.00
4,900.0	7.57	106.43	4,868.9	-135.9	460.9	178.0	0.00	0.00	0.00
5,000.0	7.57	106.43	4,968.1	-139.6	473.6	182.9	0.00	0.00	0.00
5,100.0	7.57	106.43	5,067.2	-143.4	486.2	187.8	0.00	0.00	0.00
5,200.0	7.57	106.43	5,166.3	-147.1	498.8	192.7	0.00	0.00	0.00
5,300.0	7.57	106.43	5,265.5	-150.8	511.5	197.6	0.00	0.00	0.00

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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)
5,400.0	7.57	106.43	5,364.6	-154.5	524.1	202.4	0.00	0.00	0.00
5,500.0	7.57	106.43	5,463.7	-158.3	536.7	207.3	0.00	0.00	0.00
5,600.0	7.57	106.43	5,562.8	-162.0	549.4	212.2	0.00	0.00	0.00
5,700.0	7.57	106.43	5,662.0	-165.7	562.0	217.1	0.00	0.00	0.00
5,800.0	7.57	106.43	5,761.1	-169.4	574.6	222.0	0.00	0.00	0.00
5,900.0	7.57	106.43	5,860.2	-173.2	587.3	226.8	0.00	0.00	0.00
6,000.0	7.57	106.43	5,959.4	-176.9	599.9	231.7	0.00	0.00	0.00
6,037.8	7.57	106.43	5,996.8	-178.3	604.7	233.6	0.00	0.00	0.00
6,100.0	6.64	106.43	6,058.6	-180.5	612.1	236.4	1.50	-1.50	0.00
6,200.0	5.14	106.43	6,158.0	-183.4	621.9	240.2	1.50	-1.50	0.00
6,300.0	3.64	106.43	6,257.7	-185.5	629.2	243.0	1.50	-1.50	0.00
6,400.0	2.14	106.43	6,357.6	-186.9	634.1	244.9	1.50	-1.50	0.00
6,500.0	0.64	106.43	6,457.6	-187.6	636.4	245.8	1.50	-1.50	0.00
6,542.4	0.00	0.00	6,500.0	-187.7	636.6	245.9	1.50	-1.50	0.00
6,600.0	0.00	0.00	6,557.6	-187.7	636.6	245.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,657.6	-187.7	636.6	245.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,757.6	-187.7	636.6	245.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,857.6	-187.7	636.6	245.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,957.6	-187.7	636.6	245.9	0.00	0.00	0.00
7,100.0	0.00	0.00	7,057.6	-187.7	636.6	245.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,157.6	-187.7	636.6	245.9	0.00	0.00	0.00
7,300.0	0.00	0.00	7,257.6	-187.7	636.6	245.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,357.6	-187.7	636.6	245.9	0.00	0.00	0.00
7,500.0	0.00	0.00	7,457.6	-187.7	636.6	245.9	0.00	0.00	0.00
7,600.0	0.00	0.00	7,557.6	-187.7	636.6	245.9	0.00	0.00	0.00
7,700.0	0.00	0.00	7,657.6	-187.7	636.6	245.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,757.6	-187.7	636.6	245.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,857.6	-187.7	636.6	245.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,957.6	-187.7	636.6	245.9	0.00	0.00	0.00
8,100.0	0.00	0.00	8,057.6	-187.7	636.6	245.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,157.6	-187.7	636.6	245.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,257.6	-187.7	636.6	245.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,357.6	-187.7	636.6	245.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,457.6	-187.7	636.6	245.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,557.6	-187.7	636.6	245.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,657.6	-187.7	636.6	245.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,757.6	-187.7	636.6	245.9	0.00	0.00	0.00
8,900.0	0.00	0.00	8,857.6	-187.7	636.6	245.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,957.6	-187.7	636.6	245.9	0.00	0.00	0.00
9,100.0	0.00	0.00	9,057.6	-187.7	636.6	245.9	0.00	0.00	0.00
9,200.0	0.00	0.00	9,157.6	-187.7	636.6	245.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,257.6	-187.7	636.6	245.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,357.6	-187.7	636.6	245.9	0.00	0.00	0.00
9,500.0	0.00	0.00	9,457.6	-187.7	636.6	245.9	0.00	0.00	0.00
9,600.0	0.00	0.00	9,557.6	-187.7	636.6	245.9	0.00	0.00	0.00
9,700.0	0.00	0.00	9,657.6	-187.7	636.6	245.9	0.00	0.00	0.00
9,800.0	0.00	0.00	9,757.6	-187.7	636.6	245.9	0.00	0.00	0.00
9,900.0	0.00	0.00	9,857.6	-187.7	636.6	245.9	0.00	0.00	0.00
10,000.0	0.00	0.00	9,957.6	-187.7	636.6	245.9	0.00	0.00	0.00
10,100.0	0.00	0.00	10,057.6	-187.7	636.6	245.9	0.00	0.00	0.00
10,200.0	0.00	0.00	10,157.6	-187.7	636.6	245.9	0.00	0.00	0.00
10,300.0	0.00	0.00	10,257.6	-187.7	636.6	245.9	0.00	0.00	0.00
10,400.0	0.00	0.00	10,357.6	-187.7	636.6	245.9	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	10,457.6	-187.7	636.6	245.9	0.00	0.00	0.00
10,600.0	0.00	0.00	10,557.6	-187.7	636.6	245.9	0.00	0.00	0.00
10,700.0	0.00	0.00	10,657.6	-187.7	636.6	245.9	0.00	0.00	0.00
10,800.0	0.00	0.00	10,757.6	-187.7	636.6	245.9	0.00	0.00	0.00
10,865.0	0.00	0.00	10,822.6	-187.7	636.6	245.9	0.00	0.00	0.00
10,875.0	1.20	179.56	10,832.6	-187.8	636.6	246.0	12.00	12.00	0.00
10,900.0	4.20	179.56	10,857.5	-189.0	636.6	247.2	12.00	12.00	0.00
10,925.0	7.20	179.56	10,882.4	-191.5	636.6	249.6	12.00	12.00	0.00
10,950.0	10.20	179.56	10,907.1	-195.2	636.7	253.4	12.00	12.00	0.00
10,975.0	13.20	179.56	10,931.6	-200.3	636.7	258.5	12.00	12.00	0.00
11,000.0	16.20	179.56	10,955.8	-206.7	636.7	264.8	12.00	12.00	0.00
11,025.0	19.20	179.56	10,979.6	-214.3	636.8	272.4	12.00	12.00	0.00
11,050.0	22.20	179.56	11,003.0	-223.1	636.9	281.2	12.00	12.00	0.00
11,075.0	25.20	179.56	11,025.9	-233.1	636.9	291.2	12.00	12.00	0.00
11,100.0	28.20	179.56	11,048.2	-244.4	637.0	302.4	12.00	12.00	0.00
11,125.0	31.20	179.56	11,069.9	-256.8	637.1	314.7	12.00	12.00	0.00
11,150.0	34.20	179.56	11,090.9	-270.3	637.2	328.2	12.00	12.00	0.00
11,175.0	37.20	179.56	11,111.2	-284.8	637.3	342.7	12.00	12.00	0.00
11,200.0	40.20	179.56	11,130.8	-300.5	637.5	358.3	12.00	12.00	0.00
11,225.0	43.20	179.56	11,149.4	-317.1	637.6	374.8	12.00	12.00	0.00
11,250.0	46.20	179.56	11,167.2	-334.7	637.7	392.3	12.00	12.00	0.00
11,275.0	49.20	179.56	11,184.0	-353.2	637.9	410.8	12.00	12.00	0.00
11,300.0	52.20	179.56	11,199.8	-372.5	638.0	430.0	12.00	12.00	0.00
11,325.0	55.20	179.56	11,214.6	-392.7	638.2	450.1	12.00	12.00	0.00
11,350.0	58.20	179.56	11,228.4	-413.5	638.3	470.9	12.00	12.00	0.00
11,375.0	61.20	179.56	11,241.0	-435.1	638.5	492.4	12.00	12.00	0.00
11,400.0	64.20	179.56	11,252.4	-457.3	638.7	514.6	12.00	12.00	0.00
11,425.0	67.20	179.56	11,262.7	-480.1	638.8	537.3	12.00	12.00	0.00
11,450.0	70.20	179.56	11,271.8	-503.4	639.0	560.5	12.00	12.00	0.00
11,475.0	73.20	179.56	11,279.7	-527.1	639.2	584.1	12.00	12.00	0.00
11,500.0	76.20	179.56	11,286.3	-551.3	639.4	608.1	12.00	12.00	0.00
11,525.0	79.20	179.56	11,291.6	-575.7	639.6	632.5	12.00	12.00	0.00
11,550.0	82.20	179.56	11,295.6	-600.3	639.8	657.1	12.00	12.00	0.00
11,575.0	85.20	179.56	11,298.4	-625.2	640.0	681.8	12.00	12.00	0.00
11,600.0	88.20	179.56	11,299.8	-650.1	640.2	706.7	12.00	12.00	0.00
11,615.0	90.00	179.56	11,300.0	-665.2	640.3	721.6	12.00	12.00	0.00
11,700.0	90.00	179.56	11,300.0	-750.1	640.9	806.3	0.00	0.00	0.00
11,800.0	90.00	179.56	11,300.0	-850.1	641.7	905.9	0.00	0.00	0.00
11,900.0	90.00	179.56	11,300.0	-950.1	642.5	1,005.6	0.00	0.00	0.00
12,000.0	90.00	179.56	11,300.0	-1,050.1	643.2	1,105.2	0.00	0.00	0.00
12,100.0	90.00	179.56	11,300.0	-1,150.1	644.0	1,204.9	0.00	0.00	0.00
12,200.0	90.00	179.56	11,300.0	-1,250.1	644.8	1,304.5	0.00	0.00	0.00
12,300.0	90.00	179.56	11,300.0	-1,350.1	645.5	1,404.1	0.00	0.00	0.00
12,400.0	90.00	179.56	11,300.0	-1,450.1	646.3	1,503.8	0.00	0.00	0.00
12,500.0	90.00	179.56	11,300.0	-1,550.1	647.1	1,603.4	0.00	0.00	0.00
12,600.0	90.00	179.56	11,300.0	-1,650.1	647.8	1,703.1	0.00	0.00	0.00
12,700.0	90.00	179.56	11,300.0	-1,750.1	648.6	1,802.7	0.00	0.00	0.00
12,800.0	90.00	179.56	11,300.0	-1,850.1	649.4	1,902.3	0.00	0.00	0.00
12,900.0	90.00	179.56	11,300.0	-1,950.1	650.2	2,002.0	0.00	0.00	0.00
13,000.0	90.00	179.56	11,300.0	-2,050.1	650.9	2,101.6	0.00	0.00	0.00
13,100.0	90.00	179.56	11,300.0	-2,150.1	651.7	2,201.2	0.00	0.00	0.00
13,200.0	90.00	179.56	11,300.0	-2,250.1	652.5	2,300.9	0.00	0.00	0.00
13,300.0	90.00	179.56	11,300.0	-2,350.1	653.3	2,400.5	0.00	0.00	0.00

Database: EDM 5000.1 Single User Db
Company: Legacy Reserves
Project: Lea County, NM (NAD83)
Site: Lea
Well: Lea Unit #103H
Wellbore: Original Wellbore
Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #103H
TVD Reference: RKB @ 3693.0usft
MD Reference: RKB @ 3693.0usft
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)
13,400.0	90.00	179.56	11,300.0	-2,450.1	654.0	2,500.2	0.00	0.00	0.00
13,500.0	90.00	179.56	11,300.0	-2,550.1	654.8	2,599.8	0.00	0.00	0.00
13,600.0	90.00	179.56	11,300.0	-2,650.1	655.6	2,699.4	0.00	0.00	0.00
13,700.0	90.00	179.56	11,300.0	-2,750.1	656.4	2,799.1	0.00	0.00	0.00
13,800.0	90.00	179.56	11,300.0	-2,850.1	657.1	2,898.7	0.00	0.00	0.00
13,900.0	90.00	179.56	11,300.0	-2,950.1	657.9	2,998.4	0.00	0.00	0.00
14,000.0	90.00	179.55	11,300.0	-3,050.1	658.7	3,098.0	0.00	0.00	0.00
14,100.0	90.00	179.55	11,300.0	-3,150.1	659.5	3,197.6	0.00	0.00	0.00
14,200.0	90.00	179.55	11,300.0	-3,250.1	660.2	3,297.3	0.00	0.00	0.00
14,300.0	90.00	179.55	11,300.0	-3,350.1	661.0	3,396.9	0.00	0.00	0.00
14,400.0	90.00	179.55	11,300.0	-3,450.1	661.8	3,496.5	0.00	0.00	0.00
14,500.0	90.00	179.55	11,300.0	-3,550.1	662.6	3,596.2	0.00	0.00	0.00
14,600.0	90.00	179.55	11,300.0	-3,650.1	663.4	3,695.8	0.00	0.00	0.00
14,700.0	90.00	179.55	11,300.0	-3,750.0	664.1	3,795.5	0.00	0.00	0.00
14,800.0	90.00	179.55	11,300.0	-3,850.0	664.9	3,895.1	0.00	0.00	0.00
14,900.0	90.00	179.55	11,300.0	-3,950.0	665.7	3,994.7	0.00	0.00	0.00
15,000.0	90.00	179.55	11,300.0	-4,050.0	666.5	4,094.4	0.00	0.00	0.00
15,100.0	90.00	179.55	11,300.0	-4,150.0	667.3	4,194.0	0.00	0.00	0.00
15,200.0	90.00	179.55	11,300.0	-4,250.0	668.0	4,293.7	0.00	0.00	0.00
15,300.0	90.00	179.55	11,300.0	-4,350.0	668.8	4,393.3	0.00	0.00	0.00
15,400.0	90.00	179.55	11,300.0	-4,450.0	669.6	4,492.9	0.00	0.00	0.00
15,500.0	90.00	179.55	11,300.0	-4,550.0	670.4	4,592.6	0.00	0.00	0.00
15,600.0	90.00	179.55	11,300.0	-4,650.0	671.2	4,692.2	0.00	0.00	0.00
15,700.0	90.00	179.55	11,300.0	-4,750.0	671.9	4,791.8	0.00	0.00	0.00
15,800.0	90.00	179.55	11,300.0	-4,850.0	672.7	4,891.5	0.00	0.00	0.00
15,900.0	90.00	179.55	11,300.0	-4,950.0	673.5	4,991.1	0.00	0.00	0.00
16,000.0	90.00	179.55	11,300.0	-5,050.0	674.3	5,090.8	0.00	0.00	0.00
16,100.0	90.00	179.55	11,300.0	-5,150.0	675.1	5,190.4	0.00	0.00	0.00
16,200.0	90.00	179.55	11,300.0	-5,250.0	675.9	5,290.0	0.00	0.00	0.00
16,300.0	90.00	179.55	11,300.0	-5,350.0	676.7	5,389.7	0.00	0.00	0.00
16,400.0	90.00	179.55	11,300.0	-5,450.0	677.4	5,489.3	0.00	0.00	0.00
16,500.0	90.00	179.55	11,300.0	-5,550.0	678.2	5,589.0	0.00	0.00	0.00
16,600.0	90.00	179.55	11,300.0	-5,650.0	679.0	5,688.6	0.00	0.00	0.00
16,700.0	90.00	179.55	11,300.0	-5,750.0	679.8	5,788.2	0.00	0.00	0.00
16,800.0	90.00	179.55	11,300.0	-5,850.0	680.6	5,887.9	0.00	0.00	0.00
16,900.0	90.00	179.55	11,300.0	-5,950.0	681.4	5,987.5	0.00	0.00	0.00
17,000.0	90.00	179.55	11,300.0	-6,050.0	682.2	6,087.2	0.00	0.00	0.00
17,100.0	90.00	179.55	11,300.0	-6,150.0	682.9	6,186.8	0.00	0.00	0.00
17,200.0	90.00	179.55	11,300.0	-6,250.0	683.7	6,286.4	0.00	0.00	0.00
17,300.0	90.00	179.55	11,300.0	-6,350.0	684.5	6,386.1	0.00	0.00	0.00
17,400.0	90.00	179.55	11,300.0	-6,450.0	685.3	6,485.7	0.00	0.00	0.00
17,500.0	90.00	179.55	11,300.0	-6,550.0	686.1	6,585.4	0.00	0.00	0.00
17,600.0	90.00	179.55	11,300.0	-6,650.0	686.9	6,685.0	0.00	0.00	0.00
17,700.0	90.00	179.55	11,300.0	-6,750.0	687.7	6,784.6	0.00	0.00	0.00
17,800.0	90.00	179.55	11,300.0	-6,850.0	688.5	6,884.3	0.00	0.00	0.00
17,900.0	90.00	179.55	11,300.0	-6,949.9	689.3	6,983.9	0.00	0.00	0.00
18,000.0	90.00	179.55	11,300.0	-7,049.9	690.1	7,083.6	0.00	0.00	0.00
18,100.0	90.00	179.55	11,300.0	-7,149.9	690.8	7,183.2	0.00	0.00	0.00
18,200.0	90.00	179.55	11,300.0	-7,249.9	691.6	7,282.8	0.00	0.00	0.00
18,300.0	90.00	179.55	11,300.0	-7,349.9	692.4	7,382.5	0.00	0.00	0.00
18,397.2	90.00	179.55	11,300.0	-7,447.1	693.2	7,479.3	0.00	0.00	0.00

Database: EDM 5000.1 Single User Db
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Site: Lea
Well: Lea Unit #103H
Wellbore: Original Wellbore
Design: Plan 1

Local Co-ordinate Reference: Well Lea Unit #103H
TVD Reference: RKB @ 3693.0usft
MD Reference: RKB @ 3693.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
FTP-103H	0.00	0.01	10,900.0	-187.7	636.6	580,763.80	790,678.50	32° 35' 38.270 N	103° 31' 25.411 W
- plan misses target center by 6.2usft at 10941.8usft MD (10899.1 TVD, -193.9 N, 636.6 E)									
- Point									
BHL-103H	0.00	0.00	11,300.0	-7,447.1	693.2	573,504.40	790,735.10	32° 34' 26.438 N	103° 31' 25.395 W
- plan hits target center									
- Point									